

**EDR RECORDS SERVICES, INC.**

**RECORDS PERTAIN TO: Hercules Marine Services Corporation**

**RECORDS FROM: Texas Natural Resource Conservation Commission**

**TYPE OF RECORDS: Investigation Records**

**CAUSE NO.: 96-G0201**

**DELIVER TO:**

**William J. Eggleston  
Taylor & Eggleston  
4800 Three Allen Center 333 Clay Street  
Houston, Texas 77002**

**COPY**

**VOLUME II  
PAGES 208 TO 370**

2437 Bay Area Blvd., Ste. 228  
Houston, Texas 77058  
(281) 486-5531 \* 800-876-3901

**VIOLATIONS  
RECORDS**

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- ☒ Add  
☐ Change  
☐ Delete

☐ VIOLATION  
☐ VIOLATION FOLLOW-UP

DISTRIBUTION:  
 White - Region/Local Program  
 Canary - Data Entry/Region  
 Pink - Investigator/Data Entry

**TNRCC INVESTIGATION/VIOLATION FORM**

(Boldfaced items are required)

4/6/98

Account Number BLO118U Account Name Hercules Marine Services Corp  
 Date of Investigation (as MMDDYY) 032398 Off Hours: ☐ Yes ☐ No  
 1 Investigator Staffcode KSO1 Permit(s) \_\_\_\_\_  
 Primary Investigator Juriscode 120 Other Juriscode 1 \_\_\_\_\_ Other Juriscode 2 \_\_\_\_\_  
 Site Name/Location \_\_\_\_\_  
 Person Contacted/Phone \_\_\_\_\_

Investigation Number 126578A Related Previous Investigation Number \_\_\_\_\_  
 Federal Program: ☐ Yes ☐ No NSPS: ☐ Yes ☐ No NESHAP: ☐ Yes ☐ No Situation Number \_\_\_\_\_  
 (COMPLIANCE DIV. ONLY)  
 • Investigation Type SITR In-House Investigation: ☐ Yes ☐ No --EPN  
 2 Comment Draft letter to complainant 129700798 per publishing  
proposed Agreed Order in TX Register  
 >>> FOR RECORDING REVIEWS OF COMPANY-SUBMITTED REPORTS ONLY  
 Date Test Conducted (as MMDDYY) \_\_\_\_\_ Date Report Received (as MMDDYY) \_\_\_\_\_  
 Analysis Review Results (C,N,U) \_\_\_\_\_ Permits(s) \_\_\_\_\_ Retest Required: ☐ Yes ☒ No

Investigation Number \_\_\_\_\_ Related Previous Investigation Number \_\_\_\_\_  
 Federal Program: ☐ Yes ☐ No NSPS: ☐ Yes ☐ No NESHAP: ☐ Yes ☐ No Situation Number \_\_\_\_\_  
 (COMPLIANCE DIV. ONLY)  
 3 • Investigation Type \_\_\_\_\_ In-House Investigation: ☐ Yes ☐ No --EPN  
 Comment \_\_\_\_\_

Investigation Number \_\_\_\_\_ Local Ordinance: ☐ Yes ☐ No  
 Violation Number \_\_\_\_\_ (changes/deletes only) Situation Number \_\_\_\_\_ (Compliance Div. only)  
 Cause/Description \_\_\_\_\_  
 Rule Violated \_\_\_\_\_  
 4 Fill in the following applicable items:  
 Permit Number \_\_\_\_\_ Permit Provision \_\_\_\_\_  
 Board Order Number \_\_\_\_\_ Court Order Number \_\_\_\_\_  
 • FIN Involved \_\_\_\_\_ Facility Name (optional) \_\_\_\_\_  
 Violation Type: ☐ Clerical ☐ Non-Clerical ☐ Imminent Danger Date NOV Sent (as MMDDYY) \_\_\_\_\_  
 Date NOV Received (as MMDDYY) \_\_\_\_\_ (defaults to 5 days after date NOV sent)

Investigation Number \_\_\_\_\_ Local Ordinance: ☐ Yes ☐ No  
 Violation Number \_\_\_\_\_ (changes/deletes only) Situation Number \_\_\_\_\_ (Compliance Div. only)  
 Cause/Description \_\_\_\_\_  
 Rule Violated \_\_\_\_\_ Contamcode \_\_\_\_\_  
 4 Fill in the following applicable items:  
 Permit Number \_\_\_\_\_ Permit Provision \_\_\_\_\_  
 Board Order Number \_\_\_\_\_ Court Order Number \_\_\_\_\_  
 • FIN Involved \_\_\_\_\_ Facility Name (optional) \_\_\_\_\_  
 Violation Type: ☐ Clerical ☐ Non-Clerical ☐ Imminent Danger Date NOV Sent (as MMDDYY) APR 09 1998  
 Date NOV Received (as MMDDYY) \_\_\_\_\_ (defaults to 5 days after date NOV sent)

STATE OF TEXAS  
 COUNTY OF DALLAS  
 I hereby certify that this is a true and correct copy of a Texas Natural Resource Conservation Commission document which is filed in the Commission's permanent records of the Commission. Given under my hand and the seal of office on \_\_\_\_\_  
 Jimmie E. Savage, Custodian of Records  
 Texas Natural Resource Conservation Commission

RECEIVED

AIR SECTION

ENFORCEMENT DIVISION

- See back for valid codes and investigation type codes matrix
- EPN required for investigation types indicated on back with an \*
- FIN required for VOC violations as indicated with a + in the user's manual rule table

000208

Investigator signature Rebecca E. Oll  
 Approved by Lucy Conley

Date 3/23/98  
 Date 4/8/98

- ☒ Add  
☐ Change  
☐ Delete

- ☐ VIOLATION  
☐ VIOLATION FOLLOW-UP

DISTRIBUTION:  
White - Region/Local Program  
Canary - Data Entry/Region  
Pink - Investigator/Data Entry

**TNRCC INVESTIGATION/VIOLATION FORM**  
(*Boldfaced items are required*)

4/6/98

Account Number BLO118V Account Name Hercules Marine Services Corp  
Date of Investigation (as MMDDYY) 032398 Off Hours: ☐ Yes ☐ No  
Investigator Staffcode R801 Permit(s) \_\_\_\_\_  
Primary Investigator Juriscode 120 Other Juriscode 1 \_\_\_\_\_ Other Juriscode 2 \_\_\_\_\_  
Site Name/Location \_\_\_\_\_  
Person Contacted/Phone \_\_\_\_\_

Investigation Number 126576A Related Previous Investigation Number \_\_\_\_\_  
Federal Program: ☐ Yes ☐ No NSPS: ☐ Yes ☐ No NESHAP: ☐ Yes ☐ No Situation Number \_\_\_\_\_  
(COMPLIANCE DIV. ONLY)  
Investigation Type SITR In-House Investigation: ☒ Yes ☐ No --EPN  
Comment Draft letter to complainant 129700791 per publishing  
& proposed Agreed Order in TX register  
Date Test Conducted (as MMDDYY) \_\_\_\_\_ Date Report Received (as MMDDYY) \_\_\_\_\_  
Analysis Review Results (C,N,U) \_\_\_\_\_ Permits(s) \_\_\_\_\_ Retest Required: ☐ Yes ☐ No

Investigation Number \_\_\_\_\_ Related Previous Investigation Number \_\_\_\_\_  
Federal Program: ☐ Yes ☐ No NSPS: ☐ Yes ☐ No NESHAP: ☐ Yes ☐ No Situation Number \_\_\_\_\_  
(COMPLIANCE DIV. ONLY)  
Investigation Type \_\_\_\_\_ In-House Investigation: ☐ Yes ☐ No --EPN  
Comment \_\_\_\_\_

Investigation Number \_\_\_\_\_ Local Ordinance: ☐ Yes ☐ No  
Violation Number \_\_\_\_\_ (changes/deletes only) Situation Number \_\_\_\_\_ (Compliance Div. only)  
Cause/Description \_\_\_\_\_ (Compliance Div. only)  
Rule Violated \_\_\_\_\_ Contamcode \_\_\_\_\_  
4 Fill in the following applicable items:  
Permit Number \_\_\_\_\_ Permit Provision \_\_\_\_\_  
Board Order Number \_\_\_\_\_ Court Order Number \_\_\_\_\_ CFR Part \_\_\_\_\_  
\* FIN Involved \_\_\_\_\_ Facility Name (optional) \_\_\_\_\_  
Violation Type: ☐ Clerical ☐ Non-Clerical ☐ Imminent Danger Date NOV Sent (as MMDDYY) \_\_\_\_\_  
Date NOV Received (as MMDDYY) \_\_\_\_\_ (defaults to 5 days after date NOV sent)

Investigation Number \_\_\_\_\_ Local Ordinance: ☐ Yes ☐ No  
Violation Number \_\_\_\_\_ (changes/deletes only) Situation Number \_\_\_\_\_ (Compliance Div. only)  
Cause/Description \_\_\_\_\_ (Compliance Div. only)  
Rule Violated \_\_\_\_\_ Contamcode \_\_\_\_\_  
4 Fill in the following applicable items:  
Permit Number \_\_\_\_\_ Permit Provision \_\_\_\_\_  
Board Order Number \_\_\_\_\_ Court Order Number \_\_\_\_\_ CFR Part \_\_\_\_\_  
\* FIN Involved \_\_\_\_\_ Facility Name (optional) \_\_\_\_\_  
Violation Type: ☐ Clerical ☐ Non-Clerical ☐ Imminent Danger Date NOV Sent (as MMDDYY) \_\_\_\_\_  
Date NOV Received (as MMDDYY) \_\_\_\_\_ (defaults to 5 days after date NOV sent)

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000209

Investigator signature Rebecca S. Ohl

Date 3/23/98

Approved by Terry G. Gandy

Date 4/8/98

- ☐ Add  
☐ Change  
☐ Delete

☐ VIOLATION  
☐ VIOLATION FOLLOW-UP

DISTRIBUTION:  
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 Canary - Data Entry/Region  
 Pink - Investigator/Data Entry

**TNRCC INVESTIGATION/VIOLATION FORM**  
 (Boldfaced items are required)

Account Number BL0118V Account Name Hercules Marine Services Corp.  
 Date of Investigation (as MMDDYY) 06/16/97 Off Hours: ☐ Yes ☐ No  
 1 Investigator Staffcode KE01 Permit(s) \_\_\_\_\_  
 Primary Investigator Juriscode 120 Other Juriscode 1 \_\_\_\_\_ Other Juriscode 2 \_\_\_\_\_  
 Site Name/Location 906 Main St. Seaside  
 Person Contacted/Phone Jimmy Jackson 409 233-6371

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Investigation Number 110032A Related Previous Investigation Number \_\_\_\_\_  
 Federal Program: ☐ Yes ☐ No NSPS: ☐ Yes ☐ No NESHAP: ☐ Yes ☐ No Situation Number 003  
 (COMPLIANCE DIV. ONLY)  
 • Investigation Type SITR In-House Investigation: ☒ Yes ☐ No • EPN \_\_\_\_\_  
 2 Comment Inv. 12/5/96, NOV 3/13/97  
Resolve violation of 115.421. In compliance w/in 30 days  
 >>> FOR RECORDING REVIEWS OF COMPANY-SUBMITTED REPORTS ONLY <<<  
 Date Test Conducted (as MMDDYY) \_\_\_\_\_ Date Report Received (as MMDDYY) \_\_\_\_\_  
 Analysis Review Results (C,N,U) \_\_\_\_\_ Permits(s) \_\_\_\_\_ Retest Required: ☐ Yes ☐ No

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Investigation Number \_\_\_\_\_ Related Previous Investigation Number \_\_\_\_\_  
 Federal Program: ☐ Yes ☐ No NSPS: ☐ Yes ☐ No NESHAP: ☐ Yes ☐ No Situation Number \_\_\_\_\_  
 (COMPLIANCE DIV. ONLY)  
 3 • Investigation Type \_\_\_\_\_ In-House Investigation: ☐ Yes ☐ No • EPN \_\_\_\_\_  
 Comment \_\_\_\_\_

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Investigation Number \_\_\_\_\_ Local Ordinance: ☐ Yes ☐ No  
 Violation Number \_\_\_\_\_ (changes/deletes only) Situation Number \_\_\_\_\_ (Compliance Div. only)  
 Cause/Description \_\_\_\_\_ (Compliance Div. only)  
 Rule Violated \_\_\_\_\_ Contamcode \_\_\_\_\_  
 4 Fill in the following applicable items:  
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 Board Order Number \_\_\_\_\_ Court Order Number \_\_\_\_\_ CFR Part \_\_\_\_\_  
 • FIN Involved \_\_\_\_\_ Facility Name (optional) \_\_\_\_\_  
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Investigation Number \_\_\_\_\_ Local Ordinance: ☐ Yes ☐ No  
 Violation Number \_\_\_\_\_ (changes/deletes only) Situation Number \_\_\_\_\_ (Compliance Div. only)  
 Cause/Description \_\_\_\_\_ (Compliance Div. only)  
 Rule Violated \_\_\_\_\_ Contamcode \_\_\_\_\_  
 4 Fill in the following applicable items:  
 Permit Number \_\_\_\_\_ Permit Provision \_\_\_\_\_  
 Board Order Number \_\_\_\_\_ Court Order Number \_\_\_\_\_ CFR Part \_\_\_\_\_  
 • FIN Involved \_\_\_\_\_ Facility Name (optional) \_\_\_\_\_  
 Violation Type: ☐ Clerical ☐ Non-Clerical ☐ Imminent Danger Date NOV Sent (as MMDDYY) \_\_\_\_\_  
 Date NOV Received (as MMDDYY) \_\_\_\_\_ (defaults to 5 days after date NOV sent)

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 JUL 02 1997  
 AIR SECTION  
 ENFORCEMENT DIVISION

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- See back for valid codes and investigation type codes matrix
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- FIN required for VOC violations as indicated with a + in the user's manual rule table

Investigator signature Rebecca S. Ohl Date 6/16/97  
 Approved by Jimmy Jackson Date 6/25/97

# Texas Natural Resource Conservation Commission

INTEROFFICE MEMORANDUM

TO: Jeanne Philquist, Manager  
Air Section, Enforcement Division, Austin

FROM: Karen Atkinson  
Acting Air Program Manager, Houston

SUBJECT: NOV Resolution Sheet

DATE: June 16, 1997

Account Name: Hercules Marine Services Corp  
Investigation Date: December 5, 1996  
Date of NOV Letter: March 13, 1997  
Date NOV Received: March 18, 1997  
Response Due: March 28, 1997  
FEC Date: February 27, 1997

Account No. BL0118V  
Violation(s) 115.421(a)(9)(A)  
Investigator REO1  
Response Received May 29, 1997  
Complaint #  
(If applicable)

## RESOLVED "VERBAL" VIOLATIONS:

Violations:

Date of Verbal Notification Resolved Date

## RECOMMENDED ACTION FOR VIOLATIONS:

☐ Agreed Order Only ☒ Informal Enforcement Action  
☐ Agreed Order w/Admin. Penalty ☐ Legal Action  
☐ Agreed Order/Small Business Entity ☐ Contested Case Hearing  
☐ Permit Revocation ☐ Formal Enforcement Action

## INFORMAL RESOLUTION METHOD FOR VIOLATIONS:

☐ Deleted, NOV not valid ☐ Permit Issued  
☐ Investigation ☐ Regulation Changed  
☒ Letter from source ☐ Qualifies for Standard Exemption  
☐ Memorandum Indicating Resolution ☐ Sampling Indicates Resolution  
☒ Record of Telephone Call (ROTC)

## FORMAL RESOLUTION:

Agreed Order No.: Order Date:  
Court Order No.: Penalty Amount:

Comments: Painting records obtained from the company indicate compliance with Regulation V surface coating rules within 30 days from receipt of the NOV.

Air Program Manager:

Date:

Sally Bradley-Jones  
6/25/97

000211

**RECORD OF TELEPHONE CALL**



**DATE:** June 10, 1997

**TIME:** 11:00 a.m.

**PERSON MAKING CALL:** Becky Ohler *fto*  
**COMPANY:** TNRCC

**PHONE:** X3731  
**CITY:** Houston

**PERSON RECEIVING CALL:** Jimmy Jackson  
**COMPANY:** Hercules Marine Services

**PHONE:** 409 233-6371  
**CITY:** Surfside

---

**SUBJECT:** Resolution of 115.421 NOV dated 3/13/97

**Account Number:** BL-0118-V

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**SUMMARY:** On May 29, 1997 a response letter to the NOV dated March 13, 1997 was received by fax at the Region 12 office. The response was not sufficient to document the facility had attained compliance within 30 days of the date of the NOV. On June 10, 1997 I contacted Mr. Jackson, Plant Manager, and requested he fax me the painting records for the facility since the date of the NOV. These were received the same day and showed painting occurred between April 21, 1997 and May 4, 1997. On June 16, 1997 I contacted Mr. Jackson who confirmed that no painting had occurred between March 13, 1997 and April 21, 1997.

The records received by fax indicate the facility is in compliance with Rule 115.421(a)(9)(A), but they also indicate that Hercules is now keeping the painting emissions below 3.0 lbs of VOC/hour and are therefore exempt from compliance with 115.421. The violation can be resolved based on this response by the company.

000212

VLA/LP/BO

**GRIGGS & HARRISON, P.C.**ATTORNEYS AT LAW  
1301 MCKINNEY, SUITE 3200  
HOUSTON, TEXAS 77010-3033TELEPHONE:  
(713) 651-0600TELECOPIER:  
(713) 651-1944TELECOPY TRANSMITTAL LETTER

Date:	May 29, 1997	Matter No.:	970318
To:	Karen Atkinson	Company:	TNRCC
Telecopy No.:	(713) 767-3761	Telephone No.:	
cc:			
To:	Becky Ohler	Company:	TNRCC
Telecopy No.:	(713) 767-3761	Telephone No.:	
From:	Bryan A. Domning		

Re: Hercules Marine Services Corporation

TNRCC Air Count No. BL-0118-V

Our File No. 970318

NUMBER OF PAGES, INCLUDING THIS COVER LETTER: 18

IF TRANSMISSION IS NOT COMPLETE, PLEASE CALL (713) 651-0600, Ext. \_\_\_\_\_

Sent by: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

ORIGINAL TO FOLLOW BY: MAIL XXXXX FED EX \_\_\_\_\_ OTHER \_\_\_\_\_**UNLESS REQUESTED, WE DO NOT PLAN TO SEND THE ORIGINAL****CONFIDENTIALITY NOTICE:**

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000213



## GRIGGS & HARRISON, P.C.

ATTORNEYS AT LAW

1301 MCKINNEY, SUITE 3200  
HOUSTON, TEXAS 77010-3033  
(713) 651-0600  
HOUSTON FACSIMILE (713) 651-1944

AUSTIN OFFICE:  
100 CONGRESS AVENUE, SUITE 1850  
AUSTIN, TEXAS 78701  
(512) 469-0760  
AUSTIN FACSIMILE (512) 496-6022

May 29, 1997

W. GARNEY GRIGGS  
WILLIAM A. HARRISON  
H. LEE LEWIS, JR.  
BRYAN A. DOMNING  
J. WILLIAM EARLE  
SUZANNE B. KEAN  
F. WILLIAM MANLEY  
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JANA H. WOELFEL  
GEORGE M. LUGRIN, IV  
L. ROBERT HORA  
CATHERINE N. FULLER

970318.

Via Facsimile (713) 767-3761

and Certified Mail/Return Receipt Requested

Ms. Karen Atkinson

Air Program Manager, Region 12

Texas Natural Resource Conservation Commission

5425 Polk Avenue, Suite H

Houston, Texas 77023-1423

Re: Hercules Marine Services Corporation's Response to Violation  
TNRCC Air Count No. BL-0118-V  
Our File No. 970318

Dear Ms. Atkinson:

This will acknowledge receipt of your letter of March 13, 1997 regarding the Notice of Violation ("NOV") resulting from the fiscal year 1997 State Implementation Plan inspection on the premises of Hercules Marine Services Corporation ("HMSC") Freeport, Texas facility on or about December 5, 1996. HMSC appreciates the opportunity to respond in writing to this Notice. HMSC would also like to take this opportunity to confirm that immediately following the December inspection, it modified its painting procedures to conform to what it then understood to be the applicable volatile organic compound ("VOC") emission limitations standards of TNRCC Regulation V. That process is ongoing and will result in full compliance.

### Notice of Violation

The NOV states that HMSC has violated VOC emissions standards by employing zinc paint when painting parts of offshore structures using paint with a 4.93 pounds per gallon VOC content, exceeding the 3.5 pounds per gallon limit specified by 30 T.A.C. § 115.421.

### Discussion

Since the December 5, 1996 inspection by Rebecca Ohler, HMSC has taken steps to achieve compliance with what it now understands to be the applicable VOC regulations. A review of some history is probably appropriate to place this issue in context. HMSC had previously relied

Ms. Karen Atkinson

May 29, 1997

Page 2

on the Standard Exemption 75 provisions which allowed up to 6 pounds per hour of VOC emissions. In a letter dated April 4, 1996 (copy attached), Carol Harkins of TNRCC discussed the facility's obligation to comply with the requirements of Standard Exemption 75 and noted the inapplicability of TNRCC surface coating regulations to the painting of marine vessels. Prior to that time, HMSC did not realize that the surface coating regulations did apply to the painting of offshore rig parts. HMSC was in compliance with that standard. HMSC was not aware at that time, nor was it clear from Ms. Harkins' letter, that it was subject to the more stringent standard set forth in 30 TAC 115.421(a)(9)(A)(iii). After this standard was explained by TNRCC, HMSC altered its painting operations to attempt to comply with the applicable regulations. While, as the attached records demonstrate, HMSC has not always been in full compliance with the emissions requirements, those incidents when VOC limits were exceeded are *de minimis*, and largely the result of a lack of available suitable extreme performance coating materials with appropriately low VOC content and a lack of clear understanding of the regulations. HMSC is continuing its efforts to locate suitable substitute paints to reduce the average VOC level of its extreme conditions coatings and, with expert assistance, to develop alternative painting schemes to ensure that its coatings contain less than the mandated average of 3.5 pounds of VOC per gallon. You will also note that, in some instances, HMSC's coating applications fall within the exemption contained at 30 TAC § 115.427(a)(3)(A) in that the surface coating operations emit a combined weight of VOC less than 3 pounds per hour and 15 pounds in any consecutive 24-hour period. Significantly, HMSC has not gained any economic advantage due to the *de minimis* noncompliance.

HMSC's confusion has stemmed, in part, from the somewhat confusing relationship between TNRCC standards which measure compliance on the basis of pounds of VOC per hour versus pounds of VOC per gallon. It is now HMSC's understanding that, in order to fully comply with Reg. V requirements as set forth in the NOV, records must be kept which reflect paint usage on a pounds of VOC per gallon basis in order to document compliance. HMSC further understands that, for purposes of determining whether it falls within the §115.427(a)(3)(A) exemption, it must also keep track of the number of hours that paints are applied. Candidly speaking, it had not previously been clear to the former HMSC facility manager that the four-hour averaging procedure outlined in Standard Exemption 75 did not continue to apply in the application of Regulation V standards.

In brief, HMSC believes it is now fully cognizant of the manner in which VOC emissions are calculated and has developed an applications procedure designed to ensure that VOC emissions remain within applicable limits. Furthermore, a new facility manager has recently assumed responsibility in Freeport and HMSC is confident that full compliance will be maintained.

HMSC continues to understand that the coating of the exterior of marine vessels is exempt from the regulations pursuant to § 115.427(a)(1)(C). Further, HMSC understands that it is

Ms. Karen Atkinson

May 29, 1997

Page 3

TNRCC's position that the coating of metal parts of oil rigs at the HMSC facility does not fall within this exemption.

Conclusion

Given both the relatively minimal levels of excessive emissions and the unintentional nature of same, and in light of HMSC's prompt compliance efforts with applicable standards once this procedure was clarified, HMSC does not believe that a formal agreed order is necessary at this time. HMSC continues to place a high priority on regulatory compliance and is actively taking steps to ensure that it will remain in full compliance on these issues. HMSC welcomes TNRCC's assistance in developing procedures to ensure continued compliance.

If we can be of further assistance or can provide additional information necessary for the Commission to finalize this matter, please advise us.

Very truly yours,



Bryan A. Domning

cc: Via Facsimile (713) 767-3761  
Ms. Becky Ohler  
Texas Natural Resource Conservation  
5425 Polk, Suite H  
Houston, Texas 77023-1423

Mr. Tom Seward II  
Mr. Bruce Stanfill  
Mr. John Eldridge



Protecting Texas  
by Reducing and  
Preventing Pollution

# FAX TRANSMITTAL

DATE April 4, 1996

NUMBER OF PAGES (including this cover  
sheet):

10

TO: Name Larry Ballinger  
Organization Hercules  
FAX Number 409/233-6375

FROM: TEXAS NATURAL RESOURCE CONSERVATION COMMISSION

Name Carol Harkins  
Division/Region Air Program/Region 12  
Telephone Number 713/767-3734  
FAX Number 713/767-3761

## NOTES:

Larry:

In response to the investigation conducted on 3/28/96, I'm sending you the applicable Standard Exemption (S.E.) information for your facility as we discussed.

For sandblasting you are authorized under S.E. 102 for the year 1989 and it appears that your facility is in compliance with this exemption. In 1989 a Notice of Violation was issued for causing a sandblasting nuisance. The response letter sent by Hercules is enclosed and states that no blasting will occur with an easterly wind. Please be aware that you are bound to this agreement.

For surface coating you are authorized under S.E. 75 for the year 1989. As we discussed, your current recordkeeping procedures are not kept in sufficient detail to determine compliance with the 6.0 lb/hr VOC emission limit. From the information you provided, it appears that you are in compliance with the emission limits, however, the actual hours of painting are required in order to fully make this determination. An example of the required calculations is provided for your reference. If you have any questions, feel free to call me. The next time an investigator comes to your facility, these records will be reviewed for accuracy. You are not required to re-calculate the Jan. - Mar. records for this year, but to implement the more detailed recordkeeping procedures upon receipt of this fax.

Regarding Regulation V, the surface coating of marine vessels is exempt from the control requirements of 115.421(a)(9) in accordance with 115.427(a)(1)(C).

000217

Sample calculations for S.E. 75 using the epoxy primer coating MSDS you provided:

Date	Times	Coating	lb. voc/gal	gal. used	Total voc	voc/hr.
4/2/96	9-11	primer	2.8	6	16.8	8.4
4/2/96	1-2	primer	2.8	1.5	4.2	4.2
4/2/96	2:30-4	primer	2.8	2.5	7	4.6

A mixed coating with 2.8 lb. voc/gal. means that you can use about 2 gal. of coating per/hr. This would emit 5.6 lb. voc/hr. keeping you under the 6.0 limit. Actual usage must then be averaged over a 4 hr. period. So you can use up to 8 gal. over any 4 hrs. or 8 gal. in the first hour without painting again for at least another 3 hrs. The voc emissions per unit of time are required to determine compliance, therefore, the exact hours and amounts must be recorded. Based on this example, using three different 4 hr. time periods, compliance is demonstrated as follows:

From 9-1, total voc emissions were 16.8.  $16.8 \text{ lb. voc} / 4 \text{ hrs.} = 4.2 \text{ lb. voc/hr.}$ , which is below the 6.0 lb./hr. limit.

From 1-5, total emission were  $7 + 4.2 = 11.2$ .  $11.2 / 4 \text{ hrs.} = 2.8 \text{ lb. voc/hr.}$

From 10-2, total emissions were  $4.2 \text{ (from 1-2)} + 8.4 \text{ (from 10-11)} = 12.6$ .  $12.6 / 4 = 3.15 \text{ lb. voc/hr.}$

Any 4 hour period average is below the 6.0 lb./hr. limit showing compliance with the S.E. Additionally, add together the total pounds of voc emitted per week to show that you are below the 500 lbs. per week limit.

Sincerely,

Carol Harkins

**Hercules Marine Services**  
**Fiscal Year 1997 State Implementation Plan Inspection, December 5, 1996**

**Summary of Outstanding Alleged Violations**

1. **30 TAC 115.421(a)(9)(A)**  
**Standard Exemption 75(e)**  
Hercules Marine Services conducts surface coating of parts of offshore structures. Hercules applies a primer or protective coating to these metal parts and is required by this rule to use a coating with a maximum VOC content of 3.5 pounds per gallon under 115.421(a)(9)(A)(iii). The VOC content of the zinc paint used on the offshore equipment is 4.93 lbs/gallon, in violation of Rule 115.421(a)(9)(A)(iv). In addition, this also constitutes a violation of Standard Exemption 75(e) which requires compliance with applicable Regulation V requirements, in violation of 30 TAC 116.115.

Texas Air Control Board  
Standard Exemption List  
August 11, 1989

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- (d) All permanent in-plant roads shall be watered, oiled, or paved and cleaned as necessary to achieve maximum control of dust emissions.
  - (e) The plant is located at least 1/4 mile from any recreational area or residence or other structure not occupied or used solely by the owner of the facility or the owner of the property upon which the facility is located.
  - (f) Before construction of the facility begins, written site approval shall be received from the Executive Director of the TACB and the facility shall be registered with Form PI-7 including a current Table 22.
  - (g) Emissions of particulate matter, sulfur dioxide, or organic compounds shall not exceed 25 tons per year each.
100. Metering, purging, and maintenance operations for gaseous and liquid petroleum pipelines (including ethylene, propylene, butylene, and butadiene pipelines) provided that operations are conducted according to the following conditions:
- (a) All emissions, except fugitive emissions, are burned in a smokeless flare, or
  - (b) Total emissions of any air contaminant will not exceed one ton during any metering, purging, or maintenance operation.
101. Any air separation, or other industrial gas production, storage, or packaging facility. Industrial gases, for purposes of this exemption, include only oxygen, nitrogen, helium, neon, argon, krypton, and xenon.
102. Any abrasive cleaning operation that will satisfy condition (a) or (b):
- (a) Enclosed abrasive cleaning:
    - (1) The particulate matter emissions are evacuated through a fabric filter with a maximum filtering velocity of 4 feet per minute (fpm) with mechanical cleaning or 7 fpm with air cleaning; and

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- (2) There are no visible fugitive emissions from the facility.

(b) Outside blast cleaning:

- (1) Abrasive usage rate shall not exceed 150 tons per year, 15 tons per month, and 1 ton per day; and
- (2) The blast cleaning is performed at least 500 feet from any recreational area or residence or other structure not occupied or used solely by the owner of the facility or the owner of the property upon which the facility is located; and
- (3) Records shall be maintained of operating hours and abrasive material usage; and
- (4) Before construction begins the facility is registered with the appropriate Regional Office using Form PI-7; and
- (5) Before construction of the facility begins, written site approval shall be received from the Executive Director of the Texas Air Control Board.

103. Refrigeration systems, including storage tanks used in refrigeration systems.

104. Surface coating operations utilizing powder coating materials with the powder applied by an electrostatic powder spray gun or an electrostatic fluidized bed.

105. Woodworking shops which satisfy one of the following conditions:

- (a) Commercial woodworking shops with a sawdust collection system exhausting to:

- (1) a fabric or cartridge filter with air cleaning and a filtering velocity no greater than 7.0 feet per minute (ft/min), or automatic sequenced mechanical cleaning and a filtering velocity no greater than 5.0 ft/min. The filter unit may vent back into the process building or to the atmosphere.



Texas Air Control Board  
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- (4) Written site approval shall be received from the Executive Director of the TACB before construction begins for facilities utilizing existing grain receiving facilities when new gravity or auger loadout systems are to be installed.

75.

Surface coating facilities in which no metal spraying or metalizing is done, if the total emission of volatile organic compounds (VOC) used for cleanup and contained in the coating materials as applied is less than 6.0 pounds per hour (lb/hr), averaged over any 4-hour period, and 500 pounds per week, and:

- (a) The surface coating operations are performed indoors or in an enclosed work area and the following conditions apply:

- (1) If the facility is a spraying operation, all spraying is conducted in a spray booth or work area in which the emissions of particulate matter are controlled by either a water wash system or a dry filter system. For either system, the particulate removal efficiency shall be not less than 90 percent; and:

(A) The average velocity of ventilating air through the spray booth or work area shall be at least 100 feet per minute (ft/min), with a minimum face velocity at the opening of 50 ft/min, and

(B) The face velocity at the filter media shall not exceed 250 ft/min or that specified by the filter media manufacturer.

- (2) Surface coating operations may include drying or curing ovens which accelerate the release of VOC from the coatings applied by using facilities covered under this standard exemption, provided that there is no increase in the total emission of VOC from the applied coatings, and the drying or curing ovens meet the following conditions, if not electrically heated:

(A) The maximum heat input to any oven shall not exceed 40 Million British thermal units per hour (Btu/hr), and

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Texas Air Control Board  
Standard Exemption List  
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- (4) No spraying is conducted less than 50 feet from the property line.
- (5) Before construction begins, the facility is registered with the appropriate Regional Office using Form PI-7.
- (6) Before construction of the facility begins, written site approval shall be received from the Executive Director of the Texas Air Control Board and any local air pollution control program having jurisdiction in the area.

(d) Records of hours of operation and the usage of coating materials and any solvents used for thinning and/or cleanup shall be maintained in sufficient detail to demonstrate compliance with this standard exemption. Records shall be maintained on a rolling 2-year retention period.

(e) The applicable requirements of Regulation V, concerning general vent gas streams and surface coatings, shall be satisfied.

75. Any new or modified pilot plant, provided that the following conditions are satisfied:

- (a) The facility does not emit any chemical having a health threshold limit value of less than one part per million by volume as specified by the Occupational Safety and Health Administration (OSHA) or the American Conference of Governmental Industrial Hygienists (ACGIH). This exemption does not apply to pilot plants using chemicals for which an OSHA or ACGIH threshold limit does not exist.
- (b) The facility emits less than one pound per hour of any air contaminant.
- (c) The plant is located at least 1/4 mile from any recreational area or residence or other structure not occupied or used solely by the owner of the facility or the owner of the property upon which the facility is located.
- (d) The facility is constructed and operated only for the purpose of:

000223

115.421 (A)

(9) Miscellaneous metal parts and products coating.

(A) VOC emissions from the coating of miscellaneous metal parts and products shall not exceed the following limits for each surface coating type:

(i) 4.3 pounds per gallon (0.52 kg/liter) of coating (minus water and exempt solvent) delivered to the application system as a clear coat; or as an interior protective coating for pails and drums;

(ii) 3.5 pounds per gallon (0.42 kg/liter) of coating (minus water and exempt solvent) delivered to the application system as a low-bake coating; or that utilizes air or forced air driers;

(iii) 3.5 pounds per gallon (0.42 kg/liter) of coating (minus water and exempt solvent) delivered to the application system as an extreme performance coating, including chemical milling maskants;

(iv) 3.0 pounds per gallon (0.36 kg/liter) of coating (minus water and exempt solvent) delivered to the application system for all other coating applications, including high-bake coatings, that pertain to miscellaneous metal parts and products; and

(v) 3.5 pounds per gallon (0.42 kg/liter) of coating (minus water and exempt solvent) delivered to the application system as a prime coat for the exterior of aircraft.

(B) If more than one emission limitation in subparagraph (A) of this paragraph applies to a specific coating, then the least stringent emission limitation shall apply.

(C) All VOC emissions from non-exempt solvent washings shall be included in determination of compliance with the emission limitations in subparagraph (A) of this paragraph unless the solvent is directed into containers that prevent evaporation into the atmosphere.

Texas Natural Resource Conservation Commission  
Chapter 115 - Control of Air Pollution From  
Volatile Organic Compounds

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115.427

(a) For the Beaumont/Port Arthur, Dallas/Fort Worth, El Paso, and Houston/Galveston areas, the following exemptions shall apply:

(1) The following coating operations are exempt from the application of §115.421(a)(9) of this title (relating to Emission Specifications):

(A) exterior of fully assembled aircraft, except as required by §115.421(a)(9)(A)(v) of this title;

(B) vehicle refinishing (body shops), except as required by §115.421(a)(8)(B) and (C) of this title;

(C) exterior of fully assembled marine vessels; and

(D) exterior of fully assembled fixed offshore structures.

(2) The following coating operations are exempt from the application of §115.421(a)(10) of this title:

(A) the manufacture of exterior siding;

(B) tile board; or

(C) particle board used as a furniture component.

(3) The following exemptions shall apply to surface coating operations, except for aircraft prime coating controlled by §115.421(a)(9)(A)(v) of this title and vehicle refinishing (body shops) controlled by §115.421(a)(8)(B) and (C) of this title.

(A) Surface coating operations on a property which, when uncontrolled, will emit a combined weight of VOC of less than 3 pounds per hour and 15 pounds in any consecutive 24-hour period shall be exempt from the provisions of §115.421(a) of this title and §115.423(a) of this title (relating to Alternate Control Requirements).

(B) Surface coating operations on a property which, when uncontrolled, will emit a combined weight of VOC of less than 100 pounds in any consecutive 24-hour period shall be exempt from the provisions of §115.421(a) and §115.423(a) if documentation is provided to and approved by both the Executive Director of the Texas Natural Resource Conservation Commission and the United States Environmental Protection Agency to demonstrate that necessary coating performance criteria cannot be achieved with coating which satisfy applicable emission specifications and that control equipment is not technically or economically feasible.

(C) Mirror backing coating operations located on a property which, when uncontrolled, emit a combined weight of VOC less than 25 tons in one year (based on historical coating

000225

**JOB #**

## COATING USAGE LOGS

[illegible]

## COATING USAGE LOGS

DATE	TIME	COATING	LB VOC/GAL	GAL USED	TOTAL VOC	VOC/HR.	WIND DIRECTION
4/21/97	11-6	ZINC PRIMER Coatings		2 1 2	19.89	2.75	
4/22/97	10-5	ZINC PRIMER Coatings		2 1 2	19.89	2.75	
4/23/97	10-5	ZINC PRIMER Coatings		1 1/2 2	12.75	1.83	
4/24/97	11-4	ZINC PRIMER Coatings		1 1/2 2	12.75	1.83	
4/28/97	11-6	ZINC PRIMER Coatings		2 1 2	19.19	2.75	
4/29/97	11-6	ZINC PRIMER Coatings		2 1 2	19.19	2.75	
5/1/97	11-6	ZINC PRIMER Coatings		2 1 2	19.19	2.75	
5/2/97	11-6	ZINC PRIMER Coatings		2 1 2	19.19	2.75	
5/3/97	10-5	ZINC PRIMER Coatings		2 1 2	19.19	2.75	
5/4/97	10-5.30	ZINC PRIMER Coatings		2 1 2	19.19	2.75	



10

## COATING USAGE LOGS

[illegible]



JOB #

## COATING USAGE LOGS

DATE	TIME	COATING	LB VOC/GAL	GAL USED	TOTAL VOC	VOC/HR.	WIND DIRECTION
2-17-97	11-5		3.2	3	9.6	1.6	SE

000230

Sent by: [ ] on 1/25/97 at 11:00 AM

[ ]

[ ]

71 [ ]

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05/ [ ]

PM: [ ]

# [ ] Page [ ] 18 [ ]

an/BL0118V/C

P. O. Drawer O Freeport, TX 77541  
(408) 233-8371 (408) 233-8375 fax

**Hercules Marine  
Services Corporation**

# Fax

To: Bucky Allen From: Jimmy Jackson  
Company: THRECC Pages to Follow: 1  
Phone: \_\_\_\_\_ Date: 6-10-97  
Fax: 713-767-3761 CG: \_\_\_\_\_

☐ Urgent ☐ For Review ☐ Please Reply ☐ Please Proceed as Requested

Comments:

The attached is per your request.

Please advise if this is  
in compliance with THRECC.

Thanks.

JOB # RIG 3

## COATING USAGE LOGS

DATE	TIME	COATING	LB VOC/GAL	GAL USED	TOTAL VOC	VOC/HR.	WIND DIRECTION
4/21/97	11-6	ZINC PRIMER COATING		2 1 2	19.89	2.75	
4/22/97	10-5	ZINC PRIMER COATING		2 1 2	19.89	2.75	
4/23/97	10-5	ZINC PRIMER COATING		1 1/2 2	12.75	1.83	
4/24/97	11-4	ZINC PRIMER COATING		1 1/2 2	12.75	1.83	
4/28/97	11-6	ZINC PRIMER COATING		2 1 2	19.19	2.75	
4/29/97	11-6	ZINC PRIMER COATING		2 1 2	19.19	2.75	
5/1/97	11-6	ZINC PRIMER COATING		2 1 2	19.19	2.75	
5/2/97	11-6	ZINC PRIMER COATING		2 1 2	19.19	2.75	
5/3/97	10-5	ZINC PRIMER COATING		2 1 2	19.19	2.75	
5/4/97	10-5.30	ZINC PRIMER COATING		2 1 2	19.19	2.75	

000232

Barry R. McBee, *Chairman*  
R. B. "Ralph" Marquez, *Commissioner*  
John M. Baker, *Commissioner*  
Dan Pearson, *Executive Director*



Austin

## TEXAS NATURAL RESOURCE CONSERVATION COMMISSION

*Protecting Texas by Reducing and Preventing Pollution*

June 16, 1997

**CERTIFIED MAIL Z 359 976 720**  
**RETURN RECEIPT REQUESTED**

Mr. Jimmy Jackson.  
Manager  
Hercules Marine Services Corporation  
Post Office Drawer O  
Freeport, Texas 77541

Re: NOTICE OF VIOLATION  
TNRCC Air Account No. BL-0118-V

Dear Mr. Jackson:

On May 5, 1997 Ms. Rebecca Ohler and Ms. Faye Liu of the Texas Natural Resource Conservation Commission (TNRCC) conducted an inspection of the above named facility located at 906 Marlin in Freeport, Brazoria County. The inspection was conducted to determine the facility's compliance with applicable air quality laws and regulations. During the inspection the inspectors observed and documented conditions that we believe constitute violations of the applicable requirements, as is explained in this letter and the attached summary.

The TNRCC recognizes that the great majority of the regulated community wants to prevent pollution and to comply with environmental laws. The agency looks forward to working with you to resolve these matters. We ask that you respond in writing with your proposed schedule for corrective action, and that you do so no later than 10 calendar days from the date of receipt of this letter. You may also include any explanation or offer any additional information you wish the agency to consider. We also ask that you advise us of any corrective action which you have already under taken. If you are unable to achieve compliance within 30 days of receipt of this letter, the Texas Clean Air Act requires that we initiate formal enforcement action. The Commission's enforcement obligations and alternatives are more fully explained in the enclosed "Enforcement Related Provisions of the Texas Clean Air Act" and "Formal Enforcement Options." Please be aware that you must be in compliance within 180 days of the date of this notice.

000233

REPLY TO: REGION 12 • 5425 POLK AVENUE, SUITE H • HOUSTON, TEXAS 77023-1423 • AREA CODE 713/767-3500

P.O. Box 13087 • Austin, Texas 78711-3087 • 512/239-1000

Mr. Jimmy Jackson

Page 2

June 16, 1997

We appreciate meeting with you on May 13, 1997. The letter which was requested at that time may serve also as the letter mentioned above. If you feel that an additional letter or meeting is desirable please inform us of this.

By this letter we also wish to confirm that the referenced violation is being referred to our Central Office Compliance Section. That section will determine, (in accordance with requirements of the Texas Clean Air Act and the Texas Natural Resource Conservation Commission's "Guidelines on Compliance and Enforcement Matters,") whether, and in what form, formal enforcement action will be pursued. Formal action may include the development of an Agreed Order with or without administrative penalties, or referral to the Texas Attorney General's Office for litigation. Alternatively, we may conduct an administrative enforcement hearing on the facts of the violation, corrective action and/or the amount of the penalty. Upon completion of analysis and review, the Compliance Section will advise you by letter of the disposition of the case.

As previously mentioned, we have attached to this letter a summary of alleged violations, citing the applicable TNRCC rules. If you would like to obtain a copy of Chapter 70 or any other TNRCC rules, you may contact any of the sources listed in the enclosed brochure entitled "Obtaining TNRCC Rules."

If you have any questions regarding these matters, please contact Rebecca Ohler at (713) 767-3731.

Sincerely,



Karen Atkinson

Acting Air Program Manager, Region 12

KA/REO/lqg

Enclosures: TNRCC Rule, 30 TAC 115.542(b)(1)  
"Enforcement Related Provisions of the Texas Clean Air Act"  
"Formal Enforcement Options"  
"Obtaining TNRCC Rules"

cc: Mr. John R. Eldridge, Attorney At Law, Hutcheson & Grundy, L.L. P., 1200 Smith, Suite  
3300, Houston, Texas 77002-4579  
bcc: Ms. Jeanne Philquist, Manager, Air Section, Enforcement Division, TNRCC  
LP/NOV/board,file

000234

**Hercules Marine Services  
Complaint Investigation Conducted May 5, 1997**

**Summary of Outstanding Alleged Violations**

**1. 30 TAC 115.542(b)(1) Control Requirements**

For all persons in the Beaumont/Port Arthur and Houston/Galveston areas, the following control requirements shall apply to marine vessels:

- (1) No person shall permit the degassing or cleaning of a marine vessel containing VOCs unless the vapors are processed by a vapor control system.

The Emissions Specifications found in 30 TAC 115.541(b)(1) state:

(b) For all persons in the Beaumont/Port Arthur and Houston/Galveston area, the following emission specifications shall apply to degassing during or in preparation of cleaning for all marine vessels...which have a nominal storage capacity of 10,000 barrels or more and contain VOCs.

- (1) No person shall degas or clean a tank that carried a VOC with a vapor partial pressure greater than or equal to 0.5 pounds per square inch absolute unless the vapors are processed by a vapor control system.

Hercules Marine Services cleaned barges with a nominal capacity of 10,000 barrels on the following dates which contained cyclohexane, a product with a vapor pressure of 1.83 psia:

DATE	BARGE NUMBER	MATERIAL IN BARGE
2/9/97	ETT110	CYCLOHEXANE
2/18/97	ETT115	CYCLOHEXANE
2/22/97	ETT113	CYCLOHEXANE
3/6/97	ETT114	CYCLOHEXANE
3/6/97	ETT112	CYCLOHEXANE
4/20/97	ETT112	CYCLOHEXANE
4/23/97	ETT113	CYCLOHEXANE
4/27/97	ETT112	CYCLOHEXANE

**2. 30 TAC 116.110(a)**

Loading of Anolon occurred at Hercules on March 7, 1997. This activity is not authorized by any existing permit at this facility and has not been documented to meet the emissions limits of a Standard Exemption.

ATTACHMENT A

INFORMATION CONTAINED IN HERCULES FILES ON MAY 5, 1997

DATE	BARGE NUMBER	MATERIAL IN BARGE
2/5/97	ETT115	CAPROLACTAM
2/9/97	ETT110	N-BUTANOL
2/12/97	ETT112	N-BUTANOL
2/18/97	ETT115	N-BUTANOL
2/22/97	ETT113	N-BUTANOL
3/3/97	ETT115	N-BUTANOL
3/4/97	ETT110	CAPROLACTAM
3/6/97	ETT114	N-BUTANOL
3/6/97	ETT112	ANOLON
3/24/97	ETT112	ANOLON
3/27/97	ETT115	N-BUTANOL
4/17/97	ETT110	ANOLON
4/20/97	ETT112	N-BUTANOL
4/23/97	ETT113	N-BUTANOL
4/27/97	ETT112	N-BUTANOL
4/28/97	ETT113	ANOLON

ATTACHMENT B

INFORMATION PROVIDED BY BASF CONCERNING MATERIALS IN BARGES  
DELIVERED TO HERCULES FOR CLEANING

DATE	BARGE NUMBER	MATERIAL IN BARGE
2/5/97	ETT115	CAPROLACTAM
2/9/97	ETT110	CYCLOHEXANE
2/12/97	ETT112	N-BUTANOL
2/18/97	ETT115	CYCLOHEXANE
2/22/97	ETT113	CYCLOHEXANE
3/3/97	ETT115	N-BUTANOL
3/4/97	ETT110	CAPROLACTAM
3/6/97	ETT114	CYCLOHEXANE
3/6/97	ETT112	CYCLOHEXANE
3/24/97	ETT112	ANOLON
3/27/97	ETT115	N-BUTANOL
4/17/97	ETT110	ANOLON
4/20/97	ETT112	CYCLOHEXANE
4/23/97	ETT113	CYCLOHEXANE
4/27/97	ETT112	CYCLOHEXANE
4/28/97	ETT113	ANOLON



**ATTACHMENT C**

**DOCUMENTATION COPIED FROM HERCULES FILES ON MAY 7, 1997  
WHICH IDENTIFIES THE MATERIAL IN THE BARGES BEING CLEANED**

**000238**

ATTACHMENT D

DOCUMENTATION PROVIDED BY BASF CORPORATION ON MAY 7, 1997  
CONCERNING THE MATERIAL IN THE BARGES DELIVERED TO HERCULES TO BE  
CLEANED. THIS INCLUDES ONLY THE DATES WHICH DISAGREE WITH HERCULES  
FILES

(Ms. Suzette Johnson explained the system used in the enclosed files. Any barge which shows either Citgo, Phillips, Koch, Huntsman, or Chevron contain cyclohexane. Also, any barge which is put in for a "strip and blow dry" also contained cyclohexane. Some of the entries specifically identify the cargo as cyclohexane.)

- ☒ Add  
☐ Change  
☐ Delete

☒ VIOLATION  
☐ VIOLATION FOLLOW-UP

DISTRIBUTION:  
White - Region/Local Program  
Yellow - Data Entry/Region  
Pink - Investigator/Data Entry

**TNRCC INVESTIGATION/VIOLATION FORM**  
(Boldfaced items are required)

Account Number <u>BLO118V</u> Account Name <u>Hercules Marine Services</u>	
Date of Investigation (as MMDDYY) <u>050597</u> Off Hours: <input type="checkbox"/> Yes <input type="checkbox"/> No	
1	Investigator Staffcode <u>REO</u> Permit(s) _____
Primary Investigator Juriscode <u>100</u> Other Juriscode 1 _____ Other Juriscode 2 _____	
Site Name/Location <u>Freeport</u>	
Person Contacted/Phone <u>Larry Ballinger</u>	
Investigation Number <u>109030A</u> Related Previous Investigation Number _____	
Federal Program: <input type="checkbox"/> Yes <input type="checkbox"/> No NSPS: <input type="checkbox"/> Yes <input type="checkbox"/> No NESHAP: <input type="checkbox"/> Yes <input type="checkbox"/> No Situation Number _____ (COMPLIANCE DIV. ONLY)	
2	Investigation Type <u>COSV</u> In-House Investigation: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No *EPN _____
Comment <u>Investigate complaints 129700791 and 798</u> <u>Complaints Occurred</u>	
>>> FOR RECORDING REVIEWS OF COMPANY-SUBMITTED REPORTS ONLY <<<	
Date Test Conducted (as MMDDYY) _____ Date Report Received (as MMDDYY) _____	
Analysis Review Results (C,N,U) _____ Permits(s) _____ Retest Required: <input type="checkbox"/> Yes <input type="checkbox"/> No	
Investigation Number _____ Related Previous Investigation Number _____	
Federal Program: <input type="checkbox"/> Yes <input type="checkbox"/> No NSPS: <input type="checkbox"/> Yes <input type="checkbox"/> No NESHAP: <input type="checkbox"/> Yes <input type="checkbox"/> No Situation Number _____ (COMPLIANCE DIV. ONLY)	
3	Investigation Type <u>BDIS</u> In-House Investigation: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No *EPN _____
Comment <u>Violation documented</u>	
Investigation Number _____ Local Ordinance: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Violation Number <u>0010</u> (changes/deletes only) Situation Number <u>004</u> (Compliance Div. only)	
Cause/Description <u>No permit</u> (Compliance Div. only)	
Rule Violated <u>116.110(a)</u> Contamcode _____	
4	Fill in the following applicable items:
Permit Number _____ Permit Provision _____	
Board Order Number _____ Court Order Number _____ CFR Part _____	
* FIN Involved _____ Facility Name (optional) _____	
Violation Type: <input type="checkbox"/> Clerical <input checked="" type="checkbox"/> Non-Clerical <input type="checkbox"/> Imminent Danger Date NOV Sent (as MMDDYY) <u>061697</u>	
Date NOV Received (as MMDDYY) _____ (defaults to 5 days after date NOV sent)	
Investigation Number _____ Local Ordinance: <input type="checkbox"/> Yes <input type="checkbox"/> No	
Violation Number <u>0011</u> (changes/deletes only) Situation Number _____ (Compliance Div. only)	
Cause/Description <u>Controls required</u> (Compliance Div. only)	
Rule Violated <u>115.542(b)(1)</u> Contamcode _____	
4	Fill in the following applicable items:
Permit Number _____ Permit Provision _____	
Board Order Number _____ Court Order Number _____ CFR Part _____	
* FIN Involved _____ Facility Name (optional) _____	
Violation Type: <input type="checkbox"/> Clerical <input checked="" type="checkbox"/> Non-Clerical <input type="checkbox"/> Imminent Danger Date NOV Sent (as MMDDYY) <u>061697</u>	
Date NOV Received (as MMDDYY) _____ (defaults to 5 days after date NOV sent)	

- \* See back for valid codes and investigation type codes matrix
- \* EPN required for investigation types indicated on back with an \*
- \* FIN required for VOC violations as indicated with a + in the user's manual rule table

JUN 18 1997

000240

Investigator signature Rebecca S. Ohl

AIR SECTION  
ENFORCEMENT DIVISION

Date

5/27/97

Approved by Larry Ballinger

Date

6/13/97

Investigative Comments  
Hercules Marine Services Corp.  
Freeport, Brazoria County

05/05/97  
BL-0118-V  
Page 1

Purpose: Complaints 129700791, received April 14, 1997, and 129700798, received April 28, 1997, allege Hercules Marine Services in Freeport, Brazoria County, has cleaned barges with out the vapor controls required by Regulation V. The Emissions Specifications found in 30 TAC 115.541(b)(1) state:

(b) For all persons in the Beaumont/Port Arthur and Houston/Galveston area, the following emission specifications shall apply to degassing during or in preparation of cleaning for all marine vessels...which have a nominal storage capacity of 10,000 barrels or more and contain VOCs.

(1) No person shall degas or clean a tank that carried a VOC with a vapor partial pressure greater than or equal to 0.5 pounds per square inch absolute unless the vapors are processed by a vapor control system.

Both complainants provided barge identification numbers and dates when barges were worked on. The dates were in February and April 1997. The barges which were identified belong to BASF Corporation also located in the Freeport area.

Investigative Findings: On May 5, 1997 TNRCC investigators Faye Liu and Rebecca Ohler investigated the above complaints. At 10:30 a.m. Ms. Ohler and Ms. Liu arrived at Hercules Marine Services and met with Mr. Larry Ballinger, Plant Manager. The purpose of the visit was explained to Mr. Ballinger and the investigators requested to review the barge cleaning records for February, March, and April 1997. Mr. Ballinger first produced the "Job Book" which listed all work, including barge cleaning, which had been conducted at the facility. Sixteen barge cleaning activities were identified in the Job Book. Mr. Ballinger then produced individual folders for each of the barge cleaning activities. From the folders Mr. Ballinger showed the investigators the documents which stated the material last contained in the barges which were cleaned. The dates, barge number, and compound are listed in Attachment A. All barges cleaned belong to BASF Corporation. The records which were presented to the investigators indicated that all barges had contained materials with a vapor pressure less than 0.5 psia and could, therefore, be cleaned with out vapor control equipment per the exemption from controls found in 30 TAC 115.547(a). The investigators did not obtain copies of these files at this time, but documented the contents in field notes. Copies of the documents were obtained on May 7, 1997 and are in Attachment C.

The investigators proceeded to BASF Corporation and met with Mr. L.H. Moore, Logistics Manager. The purpose of the visit was explained as a follow up to a complaint investigation which alleged Hercules was washing barges which were not allowed by Regulation V. Mr. Moore contacted Mr. Mark Hanna, Technical Service Representative, and Mr. Robert Peters, Logistics Coordinator and requested they bring the "Barge Schedule" logs and provide the investigators with the requested information. The investigators requested information on the sixteen barges which were cleaned by Hercules between February and April. The results of this request are located in Attachment B. A comparison of the lists in Attachment A and Attachment

000241

Investigative Comments  
Hercules Marine Services Corp.  
Freeport, Brazoria County

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Page 2

B shows that eight barges which Hercules lists as having contained n-butanol, a compound with a vapor pressure of less than 0.5 psia, actually contained cyclohexane which has a vapor pressure of 1.83 psia. Copies of the Barge Schedule log for the eight barges were obtained on May 7, 1997 from Mr. Peter's secretary, Ms. Suzette Johnson, and are contained in Attachment D. According to Mr. Peters all of the BASF barges have a nominal capacity of 10,000 barrels.

On May 9, 1997 Mr. John Eldridge, Attorney at Law representing Hercules, contacted Ms. Ohler and requested a meeting with TNRCC. The meeting was held on May 13, 1997. At this meeting the company admitted that barges containing cyclohexane had been cleaned without the required control equipment and that there were discrepancies in the records concerning what material had been in the barges prior to cleaning. The summary of that meeting and a copy of records provided by Hercules at that meeting can be found in Attachment E.

One of the sets of documents provided at this meeting, located in Attachment F, show that loading of Anolon occurred from Montgomery Tank Line tank trucks into some type of vessel, probably a barge, at Hercules on March 7, 1997. A total of 308,540 pounds of Anolon were delivered to Hercules on March 7, 1997. This is approximately equal to 41,000 gallons. This activity is not authorized by any existing permit at this facility and due to the low Threshold Limit Value of Anolon may not be able to meet the emissions limits of either Standard Exemption 106.261 or 106.262. Hercules will be required to submit documentation concerning compliance with an applicable standard exemption. At this time it appears they are in violation of 30 TAC 116.110(a). Due to the vapor pressure of Anolon (approximately 0.04 psia) the facility is exempt from the control requirements found in 30 TAC 115.212(a) and the monitoring and recordkeeping requirements found in 115.216(a) by the exemption found at 115.217(a)(2). The facility is, however, still subject to the inspection requirements found in 115.214(a). There are no recordkeeping requirements associated with the visual inspection requirements so it is unknown at this time if the required inspections were conducted.

Conclusion: Hercules Marine Services has cleaned eight barges in a three month period which contained cyclohexane as their last cargo. Hercules does not have a vapor control system. This constitutes a violation of the control requirements found in 30 TAC 115.542(b)(1) which state: (b) For all persons in the ...Houston/Galveston areas the following control requirements shall apply to marine vessels:

- (1) No person shall permit the degassing or cleaning of a marine vessel containing VOCs unless the vapors are processed by a vapor control system.

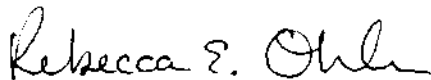
In addition, Hercules conducted loading operations on at least one date, March 7, 1997, which are not authorized by a permit and which have not been shown to comply with any Standard Exemption. Hercules will be cited for a violation of 30 TAC 116.110(a). This violation may be

Investigative Comments  
Hercules Marine Services Corp.  
Freeport, Brazoria County

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Page 3

rescinded if they can show compliance with an applicable standard exemption.

Mr. Jimmy Jackson, Manager, will be issued a Notice of Violation for the above cited offenses. This violation will be forwarded the Office of Compliance and Enforcement for formal enforcement action.



Rebecca E. Ohler  
EQS V  
Region 12

000243

**CONFERENCE SUMMARY**

**Date:** May 13, 1997    **Time:** 1:30 p.m.    **Location:** TNRCC Region 12

-----  
**Person Conducting Meeting:** Dick Flannery

-----  
**Subject:** Hercules Marine Services, BL-0118-V

-----  
**Summary:** Mr. John Eldridge, Attorney at Law with Hutcheson & Grundy, represents Hercules Marine Services. On May 12, 1997 Mr. Eldridge contacted Rebecca Ohler at TNRCC Region 12 and requested to meet with Ms. Ohler concerning two visits made by TNRCC to the Hercules facility on May 5 and 7, 1997. The meeting was set for May 13, 1997.

On May 12, 1997 Mr. Larry Ballinger, formerly the Plant Manager at Hercules, also contacted Ms. Ohler to inform her that he would also be at the meeting, but that he had resigned from Hercules. He made it clear that the attorneys who would be present did not represent him.

Also present at the meeting was Mr. Bruce Stanfill, Attorney at Law with Bell & Murphy, who also represents Hercules.

Mr. Eldridge began the meeting by stating that he was new representing Hercules and that he was brought in specifically in relation to the two recent visits by Ms. Ohler. When upper management was informed of the two visits and questioned the reason for them Mr. Ballinger provided information to management concerning discrepancies which may exist in the barge cleaning records. He confirmed that Mr. Ballinger had resigned from Hercules. He stated that Hercules has serious concerns about the cleaning of barges that were not to be cleaned without fully functional control equipment. The management was not aware of this problem until informed of this by Mr. Ballinger. Hercules is working quickly to install the required equipment, and in the meantime will not clean barges which require the controls. Mr. Eldridge stated that some cyclohexane barges were cleaned without controls.

Mr. Eldridge stated that all barge paperwork is being routed through the Houston office for approval to conduct the work until they install another plant manager. They will not clean any more unauthorized barges. Mr. Ballinger said that the thermal oxidizer should be ready soon. A blower which is needed has been ordered.

Mr. Flannery asked if Mr. Eldridge would like to expand any on his statement concerning inconsistencies in the files. Mr. Eldridge said that there might have been some documentation missing from the files which were viewed during the inspection. Mr. Stanfill stated that part of the problem is that with the lawsuit which Hercules has filed against their neighbor many of the files have been pulled apart, with some of the information being in the lawyers offices. He also

stated that the secretary in the Freeport office is relatively new and may not have been aware of all the information which should have been in the files which TNRCC requested.

Mr. Flannery asked how many barges were cleaned which required controls. Mr. Eldridge estimated 6 or 7 over a three month period.

Mr. Flannery asked if BASF who owned the barges knew that Hercules did not have the control equipment necessary to clean them legally. Mr. Ballinger stated he did not know if BASF knew this.

Mr. Flannery asked if it was possible to estimate the actual emissions from the cyclohexane barges. Mr. Ballinger explained that the barges arrive with between 100 and 300 gallons of material in them. This is stripped out of the barge and into the vacuum tank, then is transferred to a storage tank. The vacuum removes all liquid. He estimated that only a couple of gallons of liquid would remain after stripping. This represents the product which is held by the rust. The removed product is sold by Hercules as a blend stock.

Mr. Flannery explained the new penalty policy and requested a written letter as a follow up to this meeting to put in writing the things presented today. It was explained that the investigation is still on-going so it is not possible to say at this time what the consequences of this violation will be.

**Required Action:** The current investigation will continue and will incorporate the information provided at this meeting.

Rebecca E. Ohler  
Region 12



ATTACHMENT E

ADDITIONAL DOCUMENTATION PROVIDED BY HERCULES  
AT THE 5/13/97 MEETING

000246

**Hercules Marine Services  
Complaint Investigation Conducted May 5, 1997**

**Summary of Outstanding Alleged Violations**

**1. 30 TAC 115.542(b)(1) Control Requirements**

For all persons in the Beaumont/Port Arthur and Houston/Galveston areas, the following control requirements shall apply to marine vessels:

- (1) No person shall permit the degassing or cleaning of a marine vessel containing VOCs unless the vapors are processed by a vapor control system.

The Emissions Specifications found in 30 TAC 115.541(b)(1) state:

(b) For all persons in the Beaumont/Port Arthur and Houston/Galveston area, the following emission specifications shall apply to degassing during or in preparation of cleaning for all marine vessels...which have a nominal storage capacity of 10,000 barrels or more and contain VOCs.

- (1) No person shall degas or clean a tank that carried a VOC with a vapor partial pressure greater than or equal to 0.5 pounds per square inch absolute unless the vapors are processed by a vapor control system.

Hercules Marine Services cleaned barges with a nominal capacity of 10,000 barrels on the following dates which contained cyclohexane, a product with a vapor pressure of 1.83 psia:

DATE	BARGE NUMBER	MATERIAL IN BARGE
2/9/97	ETT110	CYCLOHEXANE
2/18/97	ETT115	CYCLOHEXANE
2/22/97	ETT113	CYCLOHEXANE
3/6/97	ETT114	CYCLOHEXANE
3/6/97	ETT112	CYCLOHEXANE
4/20/97	ETT112	CYCLOHEXANE
4/23/97	ETT113	CYCLOHEXANE
4/27/97	ETT112	CYCLOHEXANE

**2. 30 TAC 116.110(a)**

Loading of Anolon occurred at Hercules on March 7, 1997. This activity is not authorized by any existing permit at this facility and has not been documented to meet the emissions limits of a Standard Exemption.

000247

# ATTACHMENT A

INFORMATION CONTAINED IN HERCULES FILES ON MAY 5, 1997

DATE	BARGE NUMBER	MATERIAL IN BARGE
2/5/97	ETT115	CAPROLACTAM
2/9/97	ETT110	N-BUTANOL
2/12/97	ETT112	N-BUTANOL
2/18/97	ETT115	N-BUTANOL
2/22/97	ETT113	N-BUTANOL
3/3/97	ETT115	N-BUTANOL
3/4/97	ETT110	CAPROLACTAM
3/6/97	ETT114	N-BUTANOL
3/6/97	ETT112	ANOLON
3/24/97	ETT112	ANOLON
3/27/97	ETT115	N-BUTANOL
4/17/97	ETT110	ANOLON
4/20/97	ETT112	N-BUTANOL
4/23/97	ETT113	N-BUTANOL
4/27/97	ETT112	N-BUTANOL
4/28/97	ETT113	ANOLON

ATTACHMENT B

INFORMATION PROVIDED BY BASF CONCERNING MATERIALS IN BARGES  
DELIVERED TO HERCULES FOR CLEANING

DATE	BARGE NUMBER	MATERIAL IN BARGE
2/5/97	ETT115	CAPROLACTAM
2/9/97	ETT110	CYCLOHEXANE
2/12/97	ETT112	N-BUTANOL
2/18/97	ETT115	CYCLOHEXANE
2/22/97	ETT113	CYCLOHEXANE
3/3/97	ETT115	N-BUTANOL
3/4/97	ETT110	CAPROLACTAM
3/6/97	ETT114	CYCLOHEXANE
3/6/97	ETT112	CYCLOHEXANE
3/24/97	ETT112	ANOLON
3/27/97	ETT115	N-BUTANOL
4/17/97	ETT110	ANOLON
4/20/97	ETT112	CYCLOHEXANE
4/23/97	ETT113	CYCLOHEXANE
4/27/97	ETT112	CYCLOHEXANE
4/28/97	ETT113	ANOLON

ATTACHMENT C

DOCUMENTATION COPIED FROM HERCULES FILES ON MAY 7, 1997  
WHICH IDENTIFIES THE MATERIAL IN THE BARGES BEING CLEANED

000250

CONFERENCE SUMMARY

Date: May 13, 1997 Time: 1:30 p.m. Location: TNRCC Region 12

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Person Conducting Meeting: Dick Flannery  
-----

Subject: Hercules Marine Services, BL-0118-V  
-----

Summary: Mr. John Eldridge, Attorney at Law with Hutcheson & Grundy, represents Hercules Marine Services. On May 12, 1997 Mr. Eldridge contacted Rebecca Ohler at TNRCC Region 12 and requested to meet with Ms. Ohler concerning two visits made by TNRCC to the Hercules facility on May 5 and 7, 1997. The meeting was set for May 13, 1997.

On May 12, 1997 Mr. Larry Ballinger, formerly the Plant Manager at Hercules, also contacted Ms. Ohler to inform her that he would also be at the meeting, but that he had resigned from Hercules. He made it clear that the attorneys who would be present did not represent him.

Also present at the meeting was Mr. Bruce Stanfill, Attorney at Law with Bell & Murphy, who also represents Hercules.

Mr. Eldridge began the meeting by stating that he was new representing Hercules and that he was brought in specifically in relation to the two recent visits by Ms. Ohler. When upper management was informed of the two visits and questioned the reason for them Mr. Ballinger provided information to management concerning discrepancies which may exist in the barge cleaning records. He confirmed that Mr. Ballinger had resigned from Hercules. He stated that Hercules has serious concerns about the cleaning of barges that were not to be cleaned without fully functional control equipment. The management was not aware of this problem until informed of this by Mr. Ballinger. Hercules is working quickly to install the required equipment, and in the meantime will not clean barges which require the controls. Mr. Eldridge stated that some cyclohexane barges were cleaned without controls.

Mr. Eldridge stated that all barge paperwork is being routed through the Houston office for approval to conduct the work until they install another plant manager. They will not clean any more unauthorized barges. Mr. Ballinger said that the thermal oxidizer should be ready soon. A blower which is needed has been ordered.

Mr. Flannery asked if Mr. Eldridge would like to expand any on his statement concerning inconsistencies in the files. Mr. Eldridge said that there might have been some documentation missing from the files which were viewed during the inspection. Mr. Stanfill stated that part of the problem is that with the lawsuit which Hercules has filed against their neighbor many of the files have been pulled apart, with some of the information being in the lawyers offices. He also

000251

stated that the secretary in the Freeport office is relatively new and may not have been aware of all the information which should have been in the files which TNRCC requested.

Mr. Flannery asked how many barges were cleaned which required controls. Mr. Eldridge estimated 6 or 7 over a three month period.

Mr. Flannery asked if BASF who owned the barges knew that Hercules did not have the control equipment necessary to clean them legally. Mr. Ballinger stated he did not know if BASF knew this.

Mr. Flannery asked if it was possible to estimate the actual emissions from the cyclohexane barges. Mr. Ballinger explained that the barges arrive with between 100 and 300 gallons of material in them. This is stripped out of the barge and into the vacuum tank, then is transferred to a storage tank. The vacuum removes all liquid. He estimated that only a couple of gallons of liquid would remain after stripping. This represents the product which is held by the rust. The removed product is sold by Hercules as a blend stock.

Mr. Flannery explained the new penalty policy and requested a written letter as a follow up to this meeting to put in writing the things presented today. It was explained that the investigation is still on-going so it is not possible to say at this time what the consequences of this violation will be.

**Required Action:** The current investigation will continue and will incorporate the information provided at this meeting.

Rebecca E. Ohler  
Region 12

BL-016V

ATTACHMENT E

ADDITIONAL DOCUMENTATION PROVIDED BY HERCULES  
AT THE 5/13/97 MEETING

RECEIVED  
JUL 10 1997  
FBI  
WASHINGTON, DC



CONFERENCE SUMMARY

Date: May 13, 1997 Time: 1:30 p.m. Location: TNRCC Region 12

-----  
Person Conducting Meeting: Dick Flannery  
-----

Subject: Hercules Marine Services, BL-0118-V  
-----

Summary: Mr. John Eldridge, Attorney at Law with Hutcheson & Grundy, represents Hercules Marine Services. On May 12, 1997 Mr. Eldridge contacted Rebecca Ohler at TNRCC Region 12 and requested to meet with Ms. Ohler concerning two visits made by TNRCC to the Hercules facility on May 5 and 7, 1997. The meeting was set for May 13, 1997.

On May 12, 1997 Mr. Larry Ballinger, formerly the Plant Manager at Hercules, also contacted Ms. Ohler to inform her that he would also be at the meeting, but that he had resigned from Hercules. He made it clear that the attorneys who would be present did not represent him.

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000254

stated that the secretary in the Freeport office is relatively new and may not have been aware of all the information which should have been in the files which TNRCC requested.

Mr. Flannery asked how many barges were cleaned which required controls. Mr. Eldridge estimated 6 or 7 over a three month period.

Mr. Flannery asked if BASF who owned the barges knew that Hercules did not have the control equipment necessary to clean them legally. Mr. Ballinger stated he did not know if BASF knew this.

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Mr. Flannery explained the new penalty policy and requested a written letter as a follow up to this meeting to put in writing the things presented today. It was explained that the investigation is still on-going so it is not possible to say at this time what the consequences of this violation will be.

**Required Action:** The current investigation will continue and will incorporate the information provided at this meeting.

Rebecca E. Ohler  
Region 12

# HERCULES OFFSHORE CO.

**MARINE REPAIR  
ORDER No.**

MARINE OPERATIONS FACILITY

INVOICE NO.

CUSTOMER P.O.

3862

45497

DATE	ORDER WRITTEN 4-27-97	BY
	ARRIVAL	
	COMPLETION DATE	
	DEPARTURE DATE	
M/V <input type="checkbox"/> BARGE <input checked="" type="checkbox"/>		
NAME <i>ETT 112</i>		
LOA		
FOREMAN <i>C. Duarte</i>		
LAST PRODUCT		
GAS FREEING YES <input type="checkbox"/> NO <input type="checkbox"/> CERTIFICATE REQUIRED YES <input type="checkbox"/> NO <input type="checkbox"/>		
HAUL OUT FOR INSPECTION AND REPAIR YES <input type="checkbox"/> NO <input type="checkbox"/>		
ON WAYS DATE: _____		
ON WAYS DATE: _____		

CUSTOMER	NAME <i>BASF</i>
	BILLING ADDRESS
	CITY AND STATE <i>Freeport</i>
	PHONE NUMBER
WORK AUTHORIZED BY	
DUTY AUTHORIZED BY	
STOCK MATERIAL <input type="checkbox"/> YES <input type="checkbox"/> NO	
IF YES, COMPLETE STOCK MATERIAL TRANSFER TICKET	
OUTSIDE SERVICES <input type="checkbox"/> YES <input type="checkbox"/> NO	
IF YES, LIST	

ITEM NUMBERS

1 *Strip & Blow Dry*  
*Deballast - Has Free*  
*Chemist*

2

3

4

5

6

7

8

*No signature on bottom*

000256

# HERCULES OFFSHORE CO.

## MARINE REPAIR ORDER No. \_\_\_\_\_

MARINE OPERATIONS FACILITY

INVOICE NO. \_\_\_\_\_

CUSTOMER P.O. \_\_\_\_\_

DATE	ORDER WRITTEN 4-26-97	ETA
	ARRIVAL	
	COMPLETION DATE	
	DEPARTURE DATE	
M/V <input type="checkbox"/> BARGE <input checked="" type="checkbox"/>		
NAME <i>E-112</i>		
LOA		WIDTH
POWERMEN <i>C. Duarte</i>		
LAST PRODUCT		
GAS FREEING YES <input type="checkbox"/> NO <input type="checkbox"/> CERTIFICATE REQUIRED YES <input type="checkbox"/> NO <input type="checkbox"/>		
HAUL OUT FOR INSPECTION AND REPAIR YES <input type="checkbox"/> NO <input type="checkbox"/>		
ON WAYS		DATE: _____
ON WAYS		DATE: _____

CUSTOMER	NAME <i>BASF</i>
	BILLING ADDRESS
	CITY AND STATE
	PHONE NUMBER
WORK AUTHORIZED BY	
D/V AUTHORIZED BY	
STOCK MATERIAL <input type="checkbox"/> YES <input type="checkbox"/> NO	
IF YES, COMPLETE STOCK MATERIAL TRANSFER TICKET	
OUTSIDE SERVICES <input type="checkbox"/> YES <input type="checkbox"/> NO	
IF YES, LIST	

### ITEM NUMBERS

- 1 *Deballast / Strip & Blow Dry in Gas Free for Chemist Inspection. Reballast before Bow Rake (to Normal Ballast) before releasing to Mr Brown White II*
- 2
- 3
- 4
- 5
- 6
- 7
- 8

000257

1. coastal / trip & Blow by in Case Free for Chemical  
Inspection. Reloading before Bow Rake (to Normal  
2. Ballast) before releasing to the Brown Water II

3

4

5

6

7

8

9

10

THIS SHALL SERVE AS YOUR AUTHORIZATION TO PROCEED WITH THE ABOVE.

Signed:

Robert D. Costa

Date:

4-26-87

## HAZARDOUS COMMUNICATION STANDARD

OSHA 1910.1200

## EMPLOYEE HAZARDOUS MATERIALS TRAINING PROGRAM

Date 4-27-97Supervisor Charles D. SmithPlant HE-CULS MACHINEClient Safety                     Area 405 Free Dock

The following listed materials are considered to be hazardous to the employee working in this area:

99 Butanal

The employees assigned to work in this area have been informed of the hazardous materials in this area, the hazards they present to the workers, the location of hazards listed, the protective equipment that has been provided and where it is located, and procedures to be followed in case of an accidental exposure. I have received the training listed above and will so designate by signing this form.

NAME

BADGE

NAME

BADGE

James J. Smith000James J. SmithJames J. SmithJames J. SmithJames J. SmithJames J. SmithJames J. SmithJames J. SmithJames J. SmithJames J. SmithJames J. SmithJames J. Smith

000259

JOB NO. 5495 ETA 1-27-97  
 BARGE NO. ETT-112 DATE/TIME ARRIVAL 1-27-97 8:30  
 CUSTOMER BASF DATE/TIME STARTED 1-27-97 8:30  
 PRODUCT N-BUTYL CYCLOHEXANECARBOXIMATE DATE/TIME COMPLETED 1-27-97 6:00  
 DISPOSAL AMOUNT 250 AMOUNT STRIPPED 250  
 CLEANING INSTRUCTION BY: Robert Peters BY: \_\_\_\_\_  
 COMPLETION SCHEDULE BY: \_\_\_\_\_  
 OVERTIME AUTHORIZED BY: Robert Peters  
 BARGE INSPECTED BY: Duarte DATE/TIME: \_\_\_\_\_  
 BARGE RELEASED TO: \_\_\_\_\_ DATE/TIME: \_\_\_\_\_  
 DEEPWELL OPENED: YES N/A NO \_\_\_\_\_ CLOSED BY \_\_\_\_\_ NEW GASKET YES \_\_\_\_\_ NO \_\_\_\_\_  
 BELOW DECK CARCO PIPELINE: BLIND OPEN YES ✓ NO \_\_\_\_\_ CLOSED BY C-12 NEW GASKET YES \_\_\_\_\_ NO \_\_\_\_\_  
 DECK CHECK VALVE OPENED: YES N/A NO \_\_\_\_\_ CLOSED BY \_\_\_\_\_ NEW GASKET YES \_\_\_\_\_ NO \_\_\_\_\_  
 DECK HEADER BLINDS OPEN: YES ✓ NO \_\_\_\_\_ CLOSED BY CASAG NEW GASKET YES \_\_\_\_\_ NO \_\_\_\_\_  
 DECK HEADER DRAIN PLUG OPEN: YES ✓ NO \_\_\_\_\_ CLOSED BY CASAG YES \_\_\_\_\_ NO \_\_\_\_\_  
 VAPOR RECOVERY HEADER OPENED: YES ✓ NO \_\_\_\_\_ CLOSED BY C-12 NEW GASKET YES \_\_\_\_\_ NO \_\_\_\_\_  
 RUST SCALE: YES \_\_\_\_\_ NO ✓ WASHED OUT \_\_\_\_\_ BUCKETED OUT \_\_\_\_\_  
 NUMBER OF CARGO TANKS 3  
 NUMBER OF TANK VALVES 600  
 TANK STRIPPED: YES N/A NO \_\_\_\_\_ PIPE PRESSURE TEST DATE: \_\_\_\_\_  
 DRIP PANS STRIPPED: YES ✓ NO \_\_\_\_\_  
 WEATHER: TEMP 68 RAIN ✓ FOG \_\_\_\_\_ HUMIDITY ✓ OVERCAST \_\_\_\_\_ CLOUDY \_\_\_\_\_ CLEAR \_\_\_\_\_  
 PIPELINE WASHED: NO PIPELINE BLOWN YES PIPELINE SUMPS INSPECTED ✓  
 BOW RAKE CHECKED: YES ✓ NO \_\_\_\_\_ STERN RAKE: YES ✓ NO \_\_\_\_\_  
 VOIDS: YES ✓ NO \_\_\_\_\_ SAFETY EQUIPMENT USED: \_\_\_\_\_

#### NOTICE

All barges cleaned for BASF will be inspected by Caleb Brett. The inspector will have paperwork for the Hercules foreman in charge to sign. The form will put two copies in the document mail box. One copy will stay in the mailbox, and the captain of the tugboat that is picking up the barge will not be called until inspection is completed and documentation is in the mailbox. If any problems, BASF logistics representative must be contacted.

Inspected 5/12/97 1720 1740  
 Time In Time Out  
 Inspected By Charlie Bennett - Caleb Brett

NO BASF BARGE THAT HAS BEEN CLEANED WILL BE RELEASED UNTIL CALEB BRETT HAS SIGNED THE RELEASE PAPERS. CALEB BRETT WILL BE GIVEN A COPY OF THIS FORM.

000260



Intertek Testing Services

Caleb Brett

VISUAL TANK INSPECTION REPORT

OUR REFERENCE

000261

VESSEL ETT-112	CUSTOMER PRODUCT DESCRIPTION 99.9% Cyclohexane	PORT / TERMINAL Hercules-FREEMONT, TN	DATE 5-2-97
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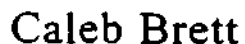
Tank Number	123 center						
Tank Coating	Mild Steel						
Last Cargo	cyclo						
Second Last Cargo	cyclo						
Third Last Cargo	Cyclo						
Time/Date Inspected	5-2-97 1735						
Visual Cleanliness <u>Accepted/Rejected</u> *							
Reason for Rejection							

Method said to have been used to clean tanks:	TK#123	ALL TANK AND LINES WERE STRIPPED AND BLOWN DRY.
	TK#	
	TK#	
	TK#	
	TK#	
	TK#	
	TK#	

Information regarding previous cargoes, tank coating and cleaning method was obtained from vessel personnel and cannot be guaranteed as accurate by Caleb Brett and no liability can be assumed for errors resulting from improper information supplied. This report, of necessity, is based on such information.

- The cleanliness of inspected tank(s) is/are based on visual inspection of tank surfaces and line system at accessible areas only. This document does not cover the cleanliness of tank surfaces and line system at inaccessible spots and/or possible release of components of previous cargoes during loading, discharge or transport of the cargo in question, for which the vessel is fully responsible. Suitability of tank coating for intended cargo must be guaranteed by vessel's owner or by suppliers of the coating.





YOUR REFERENCE
OUR REFERENCE

VESSEL ETT-112	CUSTOMER PRODUCT DESCRIPTION 9190 Cyclohexane	PORT/TERMINAL Hankow Freeport	DATE 5-2-97
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[illegible]

000262

For Vessel

Charlie B.  
FOR CALEB BRETT

BASF 04/23/97

4-5494  
ETT 113

BASF  
4-23-97

000263

JOB WORKSCOPE/BREAKDOWN

Job Number: 4-5494 Date: 4-23-97 Invoice Number: \_\_\_\_\_

Customer: BASF Barge/MV: ETT 113

Travel Time: \_\_\_\_\_ Hours @ \$17.50/Hr = \_\_\_\_\_ Mileage: \_\_\_\_\_ @ \$.25/Mi = \_\_\_\_\_

Foreman: \_\_\_\_\_ Hours (ST) @ \$ 38.00/Hour \_\_\_\_\_

\_\_\_\_\_ Hours (OT) @ \$ 53.25/Hour \_\_\_\_\_

Leadman: 2.5 Hours (ST) @ \$ 35.00/Hour 87.50

3.0 Hours (OT) @ \$ 49.50/Hour 148.50

Journeyman: 6 Hours (ST) @ \$ 32.50/Hour 195.00

19 Hours (OT) @ \$ 45.75/Hour 503.25

DISPOSAL:

Slop Oil \_\_\_\_\_ Gallons @ \$ 0.60/Gallon \_\_\_\_\_

Water \_\_\_\_\_ Gallons @ \$ 0.35/Gallon \_\_\_\_\_

WATER: \_\_\_\_\_ Gallons @ \$ 5.00/1,000 Gallons \_\_\_\_\_

MATERIAL: \_\_\_\_\_ Plus 25% \_\_\_\_\_ = \_\_\_\_\_

STOCK: 57.00 Plus 25% 14.25 = 71.25

CHEMIST: \_\_\_\_\_ Plus 25% \_\_\_\_\_ = \_\_\_\_\_

EQUIPMENT:

Compressor 5 Hours @ \$ 48.00/Hour 240.00

Air Movers 20 Hours @ \$ 5.00/Hour 100.00

Vacuum 4 Hours @ \$ 30.00/Hour 120.00

Hand Hose 3 Hours @ \$ 12.00/Hour 36.00

2" Strip Pump \_\_\_\_\_ Hours @ \$ 15.00/Hour \_\_\_\_\_

3" Gas Pump \_\_\_\_\_ Hours @ \$ 18.00/Hour \_\_\_\_\_

Hand Tools \_\_\_\_\_ Each @ \$ 10.00 Each \_\_\_\_\_

Weld Machine \_\_\_\_\_ Hours @ \$ 15.00/Hour \_\_\_\_\_

Cutting Rig \_\_\_\_\_ Hours @ \$ 8.00/Hour \_\_\_\_\_

Haul Out \_\_\_\_\_ Each @ \$1,100.00 Each \_\_\_\_\_

Forklift \_\_\_\_\_ Hours @ \$ 30.00/Hour \_\_\_\_\_

Tugboat \_\_\_\_\_ Hours @ \$ 100.00/Hour \_\_\_\_\_

Steam Rig \_\_\_\_\_ Hours @ \$ 100.00/Hour \_\_\_\_\_

Cherry Picker \_\_\_\_\_ Hours @ \$ 70.00/Hour \_\_\_\_\_

Crane \_\_\_\_\_ Hours @ \$ 130.00/Hour \_\_\_\_\_

Butterworth \_\_\_\_\_ Hours @ \$ 10.00/Hour \_\_\_\_\_

4" Elec Pump \_\_\_\_\_ Hours @ \$ 15.00/Hour \_\_\_\_\_

Truck \_\_\_\_\_ Hours @ \$ 25.00/Hour \_\_\_\_\_

000264

MATERIAL COST:

Coveralls 2 @ 3.50 Ea. = 7.00

Respirator 4 @ 6.00 Ea. = 24.00

Flashlights 1 @ 12.00 Ea. = 12.00

Goggles 2 @ 4.00 Ea. = 8.00

Raincoats \_\_\_\_\_ @ 40.00 Ea. = \_\_\_\_\_

Lantern \_\_\_\_\_ @ 13.00 Ea. = \_\_\_\_\_

Batteries 2 @ 3.00 Ea. = 6.00

Gloves/Rbr \_\_\_\_\_ @ 3.00 Ea. = \_\_\_\_\_

Gaskets \_\_\_\_\_ @ 6.00 Ea. = \_\_\_\_\_

Boots \_\_\_\_\_ @ 12.00 Pr. = \_\_\_\_\_

White Rags \_\_\_\_\_ @ 20.00/Box = \_\_\_\_\_

Cleaner \_\_\_\_\_ @ 75.00 = \_\_\_\_\_

\*TOTAL INVOICE: \* \$1501.50

# DAILY TIME LOG

DATE:	4-23-97	CUSTOMER:	BASE
JOB NO:	6494	BARGE:	ETT-113

START TIME 1:30 PM

STOP TIME 7:00 PM

NAME	HOURS	TOTAL HOURS	NAME	HOURS	TOTAL HOURS
Almudi	5 1/2	2.5-R 3.0-O			
Quinton	5 1/2	2.5-R 3.0-O			
Cover	5 1/2	2.5-R 3.0-O			
Rivers	3 1/2	1.5-R 2.5-O			
Canon	3 1/2	1.5-R 2.5-O			

MATERIAL LIST:

23.5

JOB DESCRIPTION:

Strip. Blow drag

**HERCULES**

MARINE SERVICES CORPORATION

*Strength through environmental awareness and customer service*P.O. Drawer O  
Freeport, Texas 77541Office (409) 233-6371  
Fax. (409) 233-6375Date: 4-23-92 Job No: 5494 Barge/M/V: FTT-113

EQUIPMENT	HOURS
Compressor	5
Air Movers	20
Vacuum	4
Steam Rig	
Hand Hose	3
Boiler	
2" Strip Pump	
3" Diesel Pump	
4" Electric Pump	
Crane	
Cherry Picker	
Forklift	
Tug Boat	
Welding Machine	
Cutting Rig	
Work Barge	
Haul Out	
Truck	
Hand Tools	
100 Sack Sand Pot	
Sandblasting Hoses	
2" Sandblasting Hoses	
STOCK	NUMBER
Coveralls	2
Batteries	2
Respirator Filters	4
Gloves	
Flashlights	
Gaskets	
Goggles	2
Boots	
Raincoats	
White Rags	

P.O. Drawer 9  
Houston, Texas 77041

Circle K 091235 0571  
Fax 713 955 0575

### FINAL CHECK LIST

DATE: 11-23-97

ARGE: ETT-113

NUMBER CHECKED 2 REPLACED GASKET YES    NO     
CHECK VALVE NUMBER CHECKED 6 REPLACED GASKET YES    NO     
PLUGS NUMBER CHECKED 1 REPLACED PLUG YES    NO     
CHECK VALVE NUMBER CHECKED N/A REPLACED GASKET YES    NO     
BESWELL BLIND NUMBER CHECKED N/A REPLACED GASKET YES    NO   

BLOW DECK CARGO PIPELINE BLIND NUMBER 2 REPLACED GASKET YES    NO   

BLOW DECK CARGO PIPELINE BLIND REMOVED YES    NO   

PANS VALVES: CLOSED BY CYU2

TRIP PANS COVER: CLOSED BY N/A

CONTAINMENT AREA PLUG OR VALVES: CLOSED BY CAS43

AIR TEST CARGO LINE - 40psa - USING SOAP

SIGNATURE OF TESTER: Charles Quintana

WITNESS: Jason Cruz

CHECK VALVE GASKET WILL BE REPLACED  
AIR TEST IS LAST THING TO BE DONE BEFORE RELEASE TO LAUNCH.

000267

DECLARATION OF INSPECTION  
PRIOR TO BULK CARGO TRANSFER

VESSELS

$$E + r = 113$$

TRANSFER FACILITY: HERCULES MARINE GAS DOCK

LOCATION: FREEPORT TX.

The following list refers to requirements set forth in detail in 23 CFR 158.150 and 40 CFR 30.23-30 (printed on reverse). The space adjacent to items on this list are provided to indicate that the detailed requirements have been met.

	DELIVERER	RECEIVER
1. Communication System/Language Fluency (15d.120) (m) (p)	/	/
2. Warning Signs and red Warning Signals. (3d.35-30)	/	/
3. Vessel Moorings. (15d.120 (a))	/	/
4. Transfer System Alignment. (15d.120 (d))	/	/
5. Transfer System; unusual components. (15d.120 (e))	/	/
6. Transfer Systems; fixed piping. (15d.120 (f))	/	/
7. Overboard Discharges/See Suction Valves. (15d.120 (g))	/	/
8. Hoses or Loading Arms condition. (15d.120 (h) (15d.170)	/	/
9. Hoses; length and support. (15d.120 (b) (c))	/	/
10. Connections. (15d.120)	/	/
11. Discharge Containment System. (15d.120 (j) (k))	/	/
12. Scuppers or Drains. (15d.120 (k))	/	/
13. Emergency Shutdown. (15d.120 (n))	/	/
14. Repair Work Limitations. (3d.35-30)	N/A	N/A
15. Boiler and Cooling Fires Safety. (3d.35-30)	N/A	N/A
16. Fires or Open Flames (3d.35-30)	N/A	N/A
17. Lighting (except to sunline). (15d.120 (l))	/	/
18. Safe Working Space. (3d.35-30)	/	/
19. Spill and Emergency shutdown procedures. (15d.120 (o))	/	/
20. Sufficient Personnel. (15d.120 (e) (a))	/	/
21. Transfer Conference. (15d.120 (q))	/	/
22. Agreement to begin transfer. (15d.120 (r))	/	/

I do certify that I have personally inspected this facility or vessel with reference to the requirements printed on reverse and that opposite each of these I have indicated that the regulations have been complied with.

Forward by Charge Receiving Unit

**TITLE**

TCM &amp; D/TW

Charles C. Carter

FORERMAN

4-23-97-1:30

Person in Charge Delivering Unit

FUEL PERSON

Alfred Costa

TIME COMPLETED 24-23-97 2 7:10 PM

000268

\* Rules and Regulations for Tank Vessels



HAZARD COMMUNICATION STANDARD

OSHA 1910.1200

EMPLOYEE HAZARDOUS MATERIAL TRAINING PROGRAM

Date 11-23-97  
Plant HERCULES MARINE  
Area WAS Free DOCK

Supervisor [Signature]  
Client Safety                     

The following listed materials are considered to be hazardous to the employee working in this area:

<u>H-BUTANOL</u>	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

The employees assigned to work in this area have been informed of the hazardous materials in this area, the hazards they present to the workers, the location of hazards listed, the protective equipment that has been provided and where it is located, and procedures to be followed in case of an accidental exposure.

I have received the training listed above and will so designate by signing this form.

NAME	BADGE	NAME	BADGE
<u>[Signature]</u>	_____	_____	_____
<u>[Signature]</u>	_____	_____	_____
<u>[Signature]</u>	_____	_____	_____
<u>[Signature]</u>	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

# EMERGENCY RESPONSE INFORMATION SHEET

FLAMMABLE  
LIQUID  
HALL 120

C. 12912

N-BUTANOL

FORM: LIQUID, CLEAR  
SPECIFIC GRAVITY: 0.8  
SOLUBILITY IN WATER: MIXES SLIGHTLY  
FREEZING POINT: -128°F  
BOILING POINT: 243.9°F  
FLASH POINT: 97°F (TOC)

FLAMMABLE LIMITS: 1.4% - 11.2%  
VAPOR HAZARD: FLAMMABLE.  
IRRITATING.  
REACTS WITH: OXIDIZING MATERIALS,  
COPPER AND ITS ALLOYS.

## HEALTH HAZARDS

ANIMAL: AVOID INGESTION. AVOID EXPOSURE.  
FISH: AVOID ENTRY INTO NATURAL WATERS. MAY CAUSE LOCALIZED FISH KILL.  
EYES: MODERATE BURN. MODERATE IRRITATION.  
SKIN: MODERATE IRRITATION; TOXIC BY ABSORPTION UPON CROSS CONTACT.  
INHALATION: SLIGHTLY IRRITATING. DROWSINESS, UNCONSCIOUSNESS.  
INGESTION: LOW TOXICITY.

## IN CASE OF ACCIDENT

LEAK

FLAMMABLE. IRRITATING. KEEP UPWIND. ISOLATE AREA AND DENY ENTRY.  
DO NOT GET IN EYES. AVOID CONTACT WITH SKIN. AVOID BREATHING VAPORS.  
USE WATER SPRAY TO REDUCE VAPOR. NO SMOKING, FLARES, OR OPEN FLAMES.  
SHUT OFF IGNITION AND LEAK IF WITHOUT RISK. USE NONCOMBUSTIBLE ABSORBENT  
MATERIAL/SAND AND SHOVEL INTO SUITABLE CONTAINERS.  
DIKE LARGER SPILLS AND RECOVER. AVOID ENTRY INTO SEWERS AND/OR NATURAL  
WATERS.  
CLOTHING: WEAR FULL PROTECTIVE CLOTHING AND SELF-CONTAINED BREATHING  
APPARATUS.  
DISPOSAL: CONTACT MANUFACTURER AND AUTHORITIES.

RELEASE

FLAMMABLE. IRRITATING.  
DO NOT PUT OUT ANY FIRES AT VENTS UNTIL LEAK IS SHUT OFF.  
MAY DECOMPOSE IN HEAT/FIRE RELEASING PRODUCTS OF GREATER HAZARD.  
COOL CONTAINERS EXPOSED TO HEAT/FIRE WITH WATER TO PREVENT BUSTING.  
SMALL FIRES: USE DRY CHEMICAL OR CO<sub>2</sub>.  
LARGE FIRES: USE WATER SPRAY, FOG, OR ALCOHOL FOAM. IF MASSIVE FIRE:  
USE UNMANNED HOSE HOLDER OR MONITOR NOZZLES. IF THIS IS IMPOSSIBLE,  
WITHDRAW FROM AREA AND LET FIRE BURN. DIKE LIQUID RUN-OFF.  
AVOID ENTRY INTO SEWERS AND/OR NATURAL WATERS.

AID

EYES: IRRIGATE WITH FLOWING WATER IMMEDIATELY AND CONTINUOUSLY FOR 15  
MINUTES. CONSULT MEDICAL PERSONNEL.  
SKIN: IMMEDIATELY FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES  
WHILE REMOVING CONTAMINATED CLOTHING. CONSULT MEDICAL PERSONNEL.  
CLOTHING: REMOVE CONTAMINATED CLOTHING IMMEDIATELY AND WASH BEFORE  
REUSE. DESTROY CONTAMINATED SHOES AND LEATHER ITEMS.  
INHALATION: REMOVE TO FRESH AIR IF EFFECTS OCCUR. CONSULT MEDICAL  
PERSONNEL.

000270

Information contained herein is hereby presented as a complimentary act, in good faith, and is, to the best of The Dow Chemical Company's knowl-  
edge and belief, accurate and reliable. It is not intended to be a representation, guarantee or warranty, is made as to its  
accuracy, reliability or completeness and, as Governmental regulations and other conditions of use, the user's responsibility for the  
current appropriateness and suitability for specific and uses prior to use.

DOW CHEMICAL U.S.A.

R-04-01-81

JOB NO. 5494 ETA 4-23-97  
 BARGE NO. ET12113 DATE/TIME ARRIVAL 4-23-97/10  
 CUSTOMER BASF DATE/TIME STARTED 4-23-97/13  
 PRODUCT N. BUTANOL DATE/TIME COMPLETED 4-23-97/2

DISPOSAL AMOUNT \_\_\_\_\_ AMOUNT STRIPPED 200  
 CLEANING INSTRUCTION BY: Robert Peters BY: \_\_\_\_\_  
 COMPLETION SCHEDULE BY: \_\_\_\_\_  
 OVERTIME AUTHORIZED BY: Robert Peters  
 BARGE INSPECTED BY: Robert Peters DATE/TIME: 6:30  
 BARGE RELEASED TO: Brow Water 10 DATE/TIME: \_\_\_\_\_  
 DEEPWELL OPENED: YES N/A NO \_\_\_\_\_ CLOSED BY \_\_\_\_\_ NEW GASKET YES \_\_\_\_\_ NO \_\_\_\_\_  
 BELOW DECK CARGO PIPELINE: BLIND OPEN YES ✓ NO \_\_\_\_\_ CLOSED BY CASAS NEW GASKET YES \_\_\_\_\_ NO \_\_\_\_\_  
 DECK CHECK VALVE OPENED: YES N/A NO \_\_\_\_\_ CLOSED BY \_\_\_\_\_ NEW GASKET YES \_\_\_\_\_ NO \_\_\_\_\_  
 DECK HEADER BLINDS OPEN: YES ✓ NO \_\_\_\_\_ CLOSED BY CASAS NEW GASKET YES \_\_\_\_\_ NO \_\_\_\_\_  
 DECK HEADER DRAIN PLUG OPEN: YES ✓ NO \_\_\_\_\_ CLOSED BY CASAS  
 VAPOR RECOVERY HEADER OPENED: YES ✓ NO \_\_\_\_\_ CLOSED BY Cx02 NEW GASKET YES \_\_\_\_\_ NO \_\_\_\_\_  
 RUST SCALE: YES ✓ NO \_\_\_\_\_ WASHED OUT \_\_\_\_\_ BUCKETED OUT \_\_\_\_\_  
 NUMBER OF CARGO TANKS 3  
 NUMBER OF DRAIN VALVES 600  
 DECK STRIPPED: YES N/A NO \_\_\_\_\_ PIPE PRESSURE TEST DATE: \_\_\_\_\_  
 DRIP PANS STRIPPED: YES 2 NO \_\_\_\_\_  
 WEATHER: TEMP 80 RAIN \_\_\_\_\_ FOG \_\_\_\_\_ HUMIDITY \_\_\_\_\_ OVERCAST \_\_\_\_\_ CLOUDY \_\_\_\_\_ CLEAR \_\_\_\_\_  
 PIPELINE WASHED: NO PIPELINE BLOWN YES PIPELINE SUMPS INSPECTED \_\_\_\_\_  
 BOW RAKE CHECKED: YES ✓ NO \_\_\_\_\_ STERN RAKE: YES ✓ NO \_\_\_\_\_  
 WOODS: YES ✓ NO \_\_\_\_\_ SAFETY EQUIPMENT USED: \_\_\_\_\_

# NOTICE

All barges cleaned for BASF will be inspected by Caleb Brett. The inspector will have paperwork for the Hercules foreman in charge to sign. The form will put two copies in the document mail box. One copy will stay in the mailbox, and the captain of the tugboat that is picking up the barge will not be called until inspection is completed and documentation is in the mailbox. If any problems, BASF logistics representative must be contacted.

Inspected April 23, 1997 1830 1900  
 Time In Time Out  
 Inspected By [Signature]

NO BASF BARGE THAT HAS BEEN CLEANED WILL BE RELEASED UNTIL CALEB BRETT HAS SIGNED THE RELEASE PAPERS. CALEB BRETT WILL BE GIVEN A COPY OF THIS FORM.

000271

# HERCULES OFFSHORE CO.

**MARINE REPAIR  
ORDER No.**

4-5494

MARINE OPERATIONS FACILITY

INVOICE NO. \_\_\_\_\_

CUSTOMER P.O. \_\_\_\_\_

<b>D A T E</b>	ORDER DATED	BY
	4-23-97	11:30 a.m.
	ARRIVAL	
	COMPLETION DATE	
	DEPARTURE DATE	
	W/T <input type="checkbox"/> <del>XXXX</del>	
	NAME	ETT 113
	LOG	
	POWERS	
	LAST PRODUCT	
	GAS FREEING YES <input type="checkbox"/> NO <input type="checkbox"/>	CERTIFICATE REQUIRED YES <input type="checkbox"/> NO <input type="checkbox"/>
	HAUL OUT FOR INSPECTION AND REPAIR YES <input type="checkbox"/> NO <input type="checkbox"/>	
	ON WAYS	DATE: _____
	ON WAYS	DATE: _____

<b>C U S T O M E R</b>	NAME	BASF
	BILLING ADDRESS	
	CITY AND STATE	FREEPORT, TX
	PHONE NUMBER	
	BOOK AUTHORIZED BY	BY AUTHORIZED BY
	SUZETTE	
	STOCK MATERIAL	<input type="checkbox"/> YES <input type="checkbox"/> NO
	IF YES, COMPLETE STOCK MATERIAL TRANSFER TICKET	
	OUTSIDE SERVICES	<input type="checkbox"/> YES <input type="checkbox"/> NO
	IF YES, LIST	

## ITEM NUMBERS

1 STRIP AND BLOW DRY. RELEASE TO BROWN WATER IV.

2

3

4

5

6

7

8

9

10

THIS SHALL SERVE AS YOUR AUTHORIZATION TO PROCEED WITH THE ABOVE.

Signed: *Charles D. Davis*

Date: 4-23-97

000272

BASF 04/27/97

4-5497  
ETT 112

BASF  
4-27-97

000273

## HERCULES OFFSHORE CO.

INVOICE NO.

3862

MARINE REPAIR  
ORDER No. 45497

MARINE OPERATIONS / FACILITY

CUSTOMER P.O.

DATE	ORDER NUMBER	4-27-97	ETA	
	ARRIVAL			
	COMPLETION DATE			
	DEPARTURE DATE			
M/V <input type="checkbox"/> BARGE <input checked="" type="checkbox"/>				
NAME ETT 112				
LOA				
PROGRAM				
LAST PRODUCT C. Duarte				
GAS FREEING YES <input type="checkbox"/> NO <input type="checkbox"/> CERTIFICATE REQUIRED YES <input type="checkbox"/> NO <input type="checkbox"/>				
HAUL OUT FOR INSPECTION AND REPAIR YES <input type="checkbox"/> NO <input type="checkbox"/>				
ON WAYS DATE:				
ON WAYS DATE:				

CUSTOMER	NAME BASF
	BILLING ADDRESS
	CITY AND STATE
	PHONE NUMBER
DATE SUBMITTED BY	
DATE SUBMITTED BY	
STOCK MATERIAL <input type="checkbox"/> YES <input type="checkbox"/> NO	
IF YES, COMPLETE STOCK MATERIAL TRANSFER TICKET	
OUTSIDE SERVICES <input type="checkbox"/> YES <input type="checkbox"/> NO	
IF YES, LIST	

Strip & Blower ITEM NUMBERS

1 Deballast - Has Free  
Chenist

2

3

4

5

6

7

8

9

10

THIS SHALL SERVE AS YOUR AUTHORIZATION TO PROCEED WITH THE ABOVE.

Signed:

Date:

000274

# DAILY TIME LOG

DATE:	4-27-97	CUSTOMER:	BASE
JOB NO:	5497	BARGE:	EXT-112

START TIME 8:30

STOP TIME 4:00 PM

NAME	HOURS	TOTAL HOURS	NAME	HOURS	TOTAL HOURS
Alcedin	7				
Casa	6				
Quinter	7				
Cous	7				
River	7				

MATERIAL LIST:

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JOB DESCRIPTION:

STRIP BLOW DRY      Deballer using  
Tanda no- 4-3- w. Bow RAKE

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000275



# DAILY TIME LOG

DATE:	5-2-97	CUSTOMER:	BASE
JOB NO:	5497	BARGE:	ET2112

START TIME 4:00 PM

STOP TIME 6:30 PM

NAME	HOURS	TOTAL HOURS	NAME	HOURS	TOTAL HOURS
Claudio	2 1/2				
Cruz	2 1/2				
Quintero	1				

MATERIAL LIST:

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JOB DESCRIPTION:

Ballast to Bow Rate

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000276

Strength through unity, service, equipment, know-how  
P.O. Drawer C Office: 409122-6371  
Freeport, Texas 77541 Fax: 409-122-6375

### FINAL CHECK LIST

NO: 4-27-97

WAGON: EXT-112

END NUMBER CHECKED 2 REPLACED GASKET YES ☐ NO ☒

AIR VALVE NUMBER CHECKED 6 REPLACED GASKETS YES ☐ NO ☒

WCS NUMBER CHECKED 1 REPLACED PLUG YES ☐ NO ☒

CHECK VALVE GASKET CHECKED N/A REPLACED GASKET YES ☐ NO ☐

WHEEL BLIND NUMBER CHECKED N/A REPLACED GASKET YES ☐ NO ☐

LOW DECK CARGO PIPELINE BLIND NUMBER N/A REPLACED GASKET YES ☐ NO ☐

LOW DECK CARGO PIPELINE BLIND REMOVED YES ☐ NO ☒

UP PANS VALVES: CLOSED BY CYUZ

UP PANS COVER: CLOSED BY N/A

WAINMENT AREA PLUG OR VALVES: CLOSED BY CASAS

AIR TEST CARGO LINE - 40psi - USING SOAP

SIGNATURE OF MASTER: William D. Dwyer

WAGON: EXT-112

CHECK VALVE GASKETS WILL BE REPLACED  
AIR TEST IS LAST THING TO BE DONE BEFORE RELEASED BARGE.

000277

**HERCULES**

MARINE SERVICES CORPORATION

Strength through environmental awareness and customer service

P.O. Drawer O  
Freeport, Texas 77541Office (409) 233-6371  
Fax: (409) 233-6375Date: 4-27-97 Job No: \_\_\_\_\_ Barge/M/V: ET-112

EQUIPMENT	HOURS
Compressor	8
Air Movers	24
Vacuum	4
Steam Rig	
Hand Hose	4
Boiler	
2" Strip Pump	10
3" Diesel Pump	14
4" Electric Pump	
Crane	
Cherry Picker	
Forklift	
Tug Boat	
Welding Machine	
Cutting Rig	
Work Barge	
Haul Out	
Truck	
Hand Tools	
100 Sack Sand Pot	
Sandblasting Hoses	
2" Sandblasting Hoses	
STOCK	NUMBER
Coveralls	2
Batteries	2
Respirator Filters	4
Gloves	
Flashlights	1
Gaskets	
Goggles	
Boots	
Raincoats	
White Rags	

\* Under the regulations for Tank Vessels.

HAZARD COMMUNICATION STANDARD

02114 1910.1200

## EMPLOYEE MANAGEMENT MATERIALS TRAINING PROGRAM

Duco 4-27-97

Supervisor Charles D. Dwyer

PLANE HP = CULES MYHINE

Client Safety \_\_\_\_\_

and has Free Dock

The following listed materials are considered to be hazardous to the employee working in this area:

M. Butts

The employees assigned to work in this area have been informed of the hazardous materials in this area, the hazards they present to the workers, the location of hazards listed, the protective equipment that has been provided and where it is located, and procedures to be followed in case of an accidental exposure. I have received the training listed above and will so designate by signing this form.

NAME

**DADCE**

NAME:

PLDCE

NAME  
 Juan L. Casas  
 Juan L. Casas  
 Juan L. Casas  
 Juan L. Casas  
 Juan L. Casas

000280

# EMERGENCY RESPONSE INFORMATION SHEET

C. 12912

N-BUTANOL

FLAMMABLE  
DOT LIQUID  
HALL 20

FORM: LIQUID, CLEAR  
SPECIFIC GRAVITY: 0.8  
SOLUBILITY IN WATER: MIXES SLIGHTLY  
FREEZING POINT: -128°F  
BOILING POINT: 243.9°F  
FLASH POINT: 97°F (TOC)

FLAMMABLE LIMITS: 1.4% - 11.2%  
VAPOR HAZARD: FLAMMABLE.  
IRRITATING.  
REACTS WITH: OXIDIZING MATERIALS,  
COPPER AND ITS ALLOYS.

## HEALTH HAZARDS

ANIMAL: AVOID INGESTION. AVOID EXPOSURE.  
FISH: AVOID ENTRY INTO NATURAL WATERS. MAY CAUSE LOCALIZED FISH KILL.  
EYES: MODERATE BURN. MODERATE IRRITATION.  
SKIN: MODERATE IRRITATION; TOXIC BY ABSORPTION UPON GROSS CONTACT.  
INHALATION: SLIGHTLY IRRITATING. DROWSINESS, UNCONSCIOUSNESS.  
INGESTION: LOW TOXICITY.

## IN CASE OF ACCIDENT

S  
P  
I  
L  
L

FLAMMABLE. IRRITATING. KEEP UPWIND. ISOLATE AREA AND DENY ENTRY.  
DO NOT GET IN EYES. AVOID CONTACT WITH SKIN. AVOID BREATHING VAPORS.  
USE WATER SPRAY TO REDUCE VAPOR. NO SMOKING, FLARES, OR OPEN FLAMES.  
SHUT OFF IGNITION AND LEAK IF WITHOUT RISK. USE NONCOMBUSTIBLE ABSORBENT  
MATERIAL/SAND AND SHOVEL INTO SUITABLE CONTAINERS.  
DIKE LARGER SPILLS AND RECOVER. AVOID ENTRY INTO SEWERS AND/OR NATURAL  
WATERS.  
CLOTHING: WEAR FULL PROTECTIVE CLOTHING AND SELF-CONTAINED BREATHING  
APPARATUS.  
DISPOSAL: CONTACT MANUFACTURER AND AUTHORITIES.

F  
I  
R  
E

FLAMMABLE. IRRITATING.  
DO NOT PUT OUT ANY FIRES AT VENTS UNTIL LEAK IS SHUT OFF.  
MAY DECOMPOSE IN HEAT/FIRE RELEASING PRODUCTS OF GREATER HAZARD.  
COOL CONTAINERS EXPOSED TO HEAT/FIRE WITH WATER TO PREVENT BUSTING.  
SMALL FIRES: USE DRY CHEMICAL OR CO<sub>2</sub>.  
LARGE FIRES: USE WATER SPRAY, FOG, OR ALCOHOL FOAM. IF MASSIVE FIRE:  
USE UNMANNED HOSE HOLDER OR MONITOR NOZZLES. IF THIS IS IMPOSSIBLE,  
WITHDRAW FROM AREA AND LET FIRE BURN. DIKE LIQUID RUN-OFF.  
AVOID ENTRY INTO SEWERS AND/OR NATURAL WATERS.

F  
I  
R  
I  
S  
D

EYES: IRRIGATE WITH FLOWING WATER IMMEDIATELY AND CONTINUOUSLY FOR 15  
MINUTES. CONSULT MEDICAL PERSONNEL.  
SKIN: IMMEDIATELY FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES  
WHILE REMOVING CONTAMINATED CLOTHING. CONSULT MEDICAL PERSONNEL.  
CLOTHING: REMOVE CONTAMINATED CLOTHING IMMEDIATELY AND WASH BEFORE  
REUSE. DESTROY CONTAMINATED SHOES AND LEATHER ITEMS.  
INHALATION: REMOVE TO FRESH AIR IF EFFECTS OCCUR. CONSULT MEDICAL  
PERSONNEL.

000281

The information contained herein is hereby presented as a complimentary act, in good faith, and is, to the best of The Dow Chemical Company's knowledge and belief, accurate and reliable, but may well be incomplete. No representation, guarantee or warranty is made as to its accuracy, reliability or completeness and, as Governmental regulations and conditions change, the user's responsibility to determine the current appropriateness and suitability for specific and uses prior to use.

DOW CHEMICAL U.S.A.

R-04-01-81

U. S. DEPARTMENT OF LABOR  
Occupational Safety and Health Administration

**LOG OF INSPECTIONS AND TESTS BY COMPETENT PERSON**

(See other side for instructions)

Job No.

Date

Vessel

ETT 112

Type

Tank Barge

Birth

Hercules

Report No.

6

Name of Space (Lost Cargo)	Operation	Date	Time	Result of Test (Instrument Used)	Instructions	Initials
Bow Hatch	Entry & Hot Work	5-2-97	7:00	LEL - 0% O <sub>2</sub> - 20.8%	(Safe for workers Safe for Hot Work)	RSP
Wing tank #1P		'	7:08	LEL - 0% O <sub>2</sub> - 20.8%	Provide Ventilation during (all Entry by workers)	RSP
' #2P		'	7:14	LEL - 0% O <sub>2</sub> - 20.8%		RSP
' #3P		'	7:21	LEL - 0% O <sub>2</sub> - 20.8%		RSP
' #4P		'	7:28	LEL - 0% O <sub>2</sub> - 20.8%		RSP
Stern Box		'	7:35	LEL - 0% O <sub>2</sub> - 20.8%		RSP
Wing tank #4S		'	7:42	LEL - 0% O <sub>2</sub> - 20.8%		RSP
' #3S		'	7:49	LEL - 0% O <sub>2</sub> - 20.8%		RSP
' #2S		'	7:56	LEL - 0% O <sub>2</sub> - 20.8%		RSP
' #1S		'	8:03	LEL - 0% O <sub>2</sub> - 20.8%		RSP
(Butanol) Cage tank #1		'	8:10	LEL - 0% O <sub>2</sub> - 20.8%		RSP
' #2		'	8:16	LEL - 0% O <sub>2</sub> - 20.8%		RSP
' #3		'	8:23	LEL - 0% O <sub>2</sub> - 20.8%		RSP

000282

## INSTRUCTIONS FOR FORM OSHA-74

1. This form shall be used to log the inspections and tests required by Section 1915.10 (c) (1) and/or Section 1916.10(c) (1) and/or Section 1917.10(c) (1).
2. This record shall be available for inspection in the immediate vicinity of the affected operations while they are in progress and shall be kept on file for a period of at least 3 months from the date of the completion of the job.
3. Date.—Enter the date of the job completion at the upper right-hand corner.
4. Vessel.—Name of vessel.
5. Type.—Indicate tanker, dry cargo, passenger, miscellaneous vessel, etc.
6. Report Number.—It is suggested that the Report Number be used to number sequence and number of sheets covering the same operation.
7. Space.—Name each space (e.g., No. 5 stbd. D.B. Tank) in which inspections are made or tests taken. Note the cargo last carried if significant.
8. Operation.—Name the operation to be performed, such as cleaning, inerting, painting, hot work, cold work, etc.
9. Date and Time.—The tests shall be listed in the order in which they are taken.
10. Results.—Give meter readings and types of instruments used, where applicable. Otherwise indicate "inspection" or "flammability test."
11. Findings and Instructions.—Interpret findings of inspections or test readings in terms of the spaces being safe, and when necessary indicate precautions to be taken.
12. Initials and Signatures.—The competent person shall initial each test or inspection made. The full names shall be written in the spaces below.

Names of competent persons whose initials appear on this form:

Roger P. DeLaf

\_\_\_\_\_

\_\_\_\_\_

000283



(See other side for instructions)

Date \_\_\_\_\_

Report No. 5

000284

# INSTRUCTIONS FOR FORM OSHA-74

1. This form shall be used to log the inspections and tests required by Section 1915.10 (c) and/or Section 1916.10(c) (1) and/or Section 1917.10(c) (1).
2. This record shall be available for inspection in the immediate vicinity of the affected operations while they are in progress and shall be kept on file for a period of at least 3 months from the date of the completion of the job.
3. **Date** - Enter the date of the job completion at the upper right-hand corner.
4. **Vessel** - Name of vessel.
5. **Type** - Indicate tanker, dry cargo, passenger, miscellaneous vessel, etc.
6. **Report Number** - It is suggested that the Report Number be used to number sequence and number of sheets covering the same operation.
7. **Space** - Name each space (e.g., No. 5 stbd. D.B. Tank) in which inspections are made or tests taken. Note the cargo last carried if significant.
8. **Operation** - Name the operation to be performed, such as cleaning, inerting, painting, hot work, cold work, etc.
9. **Date and Time** - The tests shall be listed in the order in which they are taken.
10. **Results** - Give meter readings and types of instruments used, where applicable. Otherwise indicate "inspection" or "flammability test."
11. **Findings and Instructions** - Interpret findings of inspections or test readings in terms of the spaces being safe, and when necessary indicate precautions to be taken.
12. **Initials and Signatures** - The competent person shall initial each test or inspection made. The full names shall be written in the spaces below.

Names of competent persons whose initials appear on this form:

*Roger S. Petter*

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000285

(See other side for instructions)

Date \_\_\_\_\_

Report No. 4

000286

# INSTRUCTIONS FOR FORM OSHA-74

000287

1. This form shall be used to log the inspections and tests required by Section 1915.10 (c) and/or Section 1916.10(c) (1) and/or Section 1917.10(c) (1).
2. This record shall be available for inspection in the immediate vicinity of the affected operations while they are in progress and shall be kept on file for a period of at least 3 months from the date of the completion of the job.
3. Date - Enter the date of the job completion at the upper right-hand corner.
4. Vessel - Name of vessel.
5. Type - Indicate tanker, dry cargo, passenger, miscellaneous vessel, etc.
6. Report Number - It is suggested that the Report Number be used to number sequence and number of sheets covering the same operation.
7. Space - Name each space (e.g., No. 5 stbd. D.B. Tank) in which inspections are made or tests taken. Note the cargo last carried if significant.
8. Operation - Name the operation to be performed, such as cleaning, inerting, painting, hot work, cold work, etc.
9. Date and Time - The tests shall be listed in the order in which they are taken.
10. Results - Give meter readings and types of instruments used, where applicable. Otherwise indicate "inspection" or "flammability test."
11. Findings and Instructions - Interpret findings of inspections or test readings in terms of the spaces being safe, and when necessary indicate precautions to be taken.
12. Initials and Signatures - The competent person shall initial each test or inspection made. The full names shall be written in the spaces below.

Names of competent persons whose initials appear on this form:

*Robert S. Peltier*

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(See other side for instructions)

Date \_\_\_\_\_

Report No. 3

000288

# INSTRUCTIONS FOR FORM OSHA-74

000289

1. This form shall be used to log the inspections and tests required by Section 1915.10 (c) and/or Section 1916.10(c) (1) and/or Section 1917.10(c) (1).
2. This record shall be available for inspection in the immediate vicinity of the affected operations while they are in progress and shall be kept on file for a period of at least 3 months from the date of the completion of the job.
3. **Date** — Enter the date of the job completion at the upper right-hand corner.
4. **Vessel** — Name of vessel.
5. **Type** — Indicate tanker, dry cargo, passenger, miscellaneous vessel, etc.
6. **Report Number** — It is suggested that the Report Number be used to number sequence and number of sheets covering the same operation.
7. **Space** — Name each space (e.g., No. 5 stbd. D.B. Tank) in which inspections are made or tests taken. Note the cargo last carried if significant.
8. **Operation** — Name the operation to be performed, such as cleaning, inerting, painting, hot work, cold work, etc.
9. **Date and Time** — The tests shall be listed in the order in which they are taken.
10. **Results** — Give meter readings and types of instruments used, where applicable. Otherwise indicate "inspection" or "flammability test."
11. **Findings and Instructions** — Interpret findings of inspections or test readings in terms of the spaces being safe, and when necessary indicate precautions to be taken.
12. **Initials and Signatures** — The competent person shall initial each test or inspection made. The full names shall be written in the spaces below.

Names of competent persons whose initials appear on this form:

*Robert S. Smith*  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

U. S. DEPARTMENT OF LABOR  
Occupational Safety and Health Administration

# LOG OF INSPECTIONS AND TESTS BY COMPETENT PERSON

(See other side for instructions)

Job No.

Vessel *ETT 112*

Type *Tank Barge*

Birth *Hercules*

Date

Report No. *2*

Name of Space (Last Cargo)	Operation	Date	Time	Result of Test (Instrument Used)	Instructions	Initials
<i>Bow Rake</i>	<i>Entry &amp; Hot Work</i>	<i>4-28-99</i>	<i>7:03</i>	<i>LEL - 0%</i> <i>O<sub>2</sub> - 20.8%</i>	<i>(Safe for Workers)</i> <i>Safe for Hot Work</i>	<i>RSP</i>
<i>Wing tank #1 P</i>		<i>\</i>	<i>7:09</i>	<i>LEL - 0%</i> <i>O<sub>2</sub> - 20.8%</i>	<i>Provide Ventilation during</i> <i>all entry by workers</i>	<i>RSP</i>
<i>\</i> <i># 2 P</i>		<i>\</i>	<i>7:16</i>	<i>LEL - 0%</i> <i>O<sub>2</sub> - 20.8%</i>	<i>\</i>	<i>RSP</i>
<i>\</i> <i># 3 P</i>		<i>\</i>	<i>7:22</i>	<i>LEL - 0%</i> <i>O<sub>2</sub> - 20.8%</i>	<i>\</i>	<i>RSP</i>
<i>\</i> <i># 4 P</i>		<i>\</i>	<i>7:28</i>	<i>LEL - 0%</i> <i>O<sub>2</sub> - 20.8%</i>	<i>\</i>	<i>RSP</i>
<i>Stern Box</i>		<i>\</i>	<i>7:35</i>	<i>LEL - 0%</i> <i>O<sub>2</sub> - 20.8%</i>	<i>\</i>	<i>RSP</i>
<i>Wing tank #4 S</i>		<i>\</i>	<i>7:42</i>	<i>LEL - 0%</i> <i>O<sub>2</sub> - 20.8%</i>	<i>\</i>	<i>RSP</i>
<i>\</i> <i># 3 S</i>		<i>\</i>	<i>7:48</i>	<i>LEL - 0%</i> <i>O<sub>2</sub> - 20.8%</i>	<i>\</i>	<i>RSP</i>
<i>\</i> <i># 2 S</i>		<i>\</i>	<i>7:53</i>	<i>LEL - 0%</i> <i>O<sub>2</sub> - 20.8%</i>	<i>\</i>	<i>RSP</i>
<i>\</i> <i># 1 S</i>		<i>\</i>	<i>7:59</i>	<i>LEL - 0%</i> <i>O<sub>2</sub> - 20.8%</i>	<i>\</i>	<i>RSP</i>
<i>(Butanol)</i> <i>Cargo Tank #1</i>		<i>\</i>	<i>8:06</i>	<i>LEL - 0%</i> <i>O<sub>2</sub> - 20.8%</i>	<i>\</i>	<i>RSP</i>
<i>\</i> <i># 2</i>		<i>\</i>	<i>8:14</i>	<i>LEL - 0%</i> <i>O<sub>2</sub> - 20.8%</i>	<i>\</i>	<i>RSP</i>
<i>\</i> <i># 3</i>		<i>\</i>	<i>8:21</i>	<i>LEL - 0%</i> <i>O<sub>2</sub> - 20.8%</i>	<i>\</i>	<i>RSP</i>

000290

# INSTRUCTIONS FOR FORM OSHA-74

000291

1. This form shall be used to log the inspections and tests required by Section 1915.10 (c) and/or Section 1916.10(c) (1) and/or Section 1917.10(c) (1).
2. This record shall be available for inspection in the immediate vicinity of the affected operations while they are in progress and shall be kept on file for a period of at least 3 months from the date of the completion of the job.
3. **Date** - Enter the date of the job completion at the upper right-hand corner.
4. **Vessel** - Name of vessel.
5. **Type** - Indicate tanker, dry cargo, passenger, miscellaneous vessel, etc.
6. **Report Number** - It is suggested that the Report Number be used to number sequence and number of sheets covering the same operation.
7. **Space** - Name each space (e.g., No. 5 stbd. D.B. Tank) in which inspections are made or tests taken. Note the cargo last carried if significant.
8. **Operation** - Name the operation to be performed, such as cleaning, inerting, painting, hot work, cold work, etc.
9. **Date and Time** - The tests shall be listed in the order in which they are taken.
10. **Results** - Give meter readings and types of instruments used, where applicable. Otherwise indicate "inspection" or "Flammability test."
11. **Findings and Instructions** - Interpret findings of inspections or test readings in terms of the spaces being safe, and when necessary indicate precautions to be taken.
12. **Initials and Signatures** - The competent person shall initial each test or inspection made. The full names shall be written in the spaces below.

Names of competent persons whose initials appear on this form:

*Robert E. [Signature]*

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(See other side for instructions)

Date \_\_\_\_\_

Report No.

1

000292

# INSTRUCTIONS FOR FORM OSHA-74

1. This form shall be used to log the inspections and tests required by Section 1915.10 (c) and/or Section 1916.10(c) (1) and/or Section 1917.10(c) (1).
2. This record shall be available for inspection in the immediate vicinity of the affected operations while they are in progress and shall be kept on file for a period of at least 3 months from the date of the completion of the job.
3. **Date** - Enter the date of the job completion at the upper right-hand corner.
4. **Vessel** - Name of vessel.
5. **Type** - Indicate tanker, dry cargo, passenger, miscellaneous vessel, etc.
6. **Report Number** - It is suggested that the Report Number be used to number sequence and number of sheets covering the same operation.
7. **Space** - Name each space (e.g., No. 5 stbd. D.B. Tank) in which inspections are made or tests taken. Note the cargo last carried if significant.
8. **Operation** - Name the operation to be performed, such as cleaning, inerting, painting, hot work, cold work, etc.
9. **Date and Time** - The tests shall be listed in the order in which they are taken.
10. **Results** - Give meter readings and types of instruments used, where applicable. Otherwise indicate "inspection" or "flammability test."
11. **Findings and Instructions** - Interpret findings of inspections or test readings in terms of the spaces being safe, and when necessary indicate precautions to be taken.
12. **Initials and Signatures** - The competent person shall initial each test or inspection made. The full names shall be written in the spaces below.

Names of competent persons whose initials appear on this form:

*Ryan S. Pelt*  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

000293

LARRY

Survey Requested by

ETT 112

Vessel

BUTANOL

Last Three (3) Cargoes

HERCULES

Vessel Owner or Agent

TANK DARGE

Type of Vessel

LEL - VISUAL

Tests Performed

26 APR 97

Date

HERCULES

Specific Location of Vessel

16:00

Time Survey Completed

GOW RAKE

STERN BOX

WING TANKS No 1, 2, 3 &amp; 4 - PORT

&amp; STARBOARD

CARGO TANKS No 1, 2 &amp; 3

SAFE FOR WORKERS

SAFE FOR HOTWORK

ATMOSPHERIC TEST 22.8% O<sub>2</sub>

0% LEL

PROVIDE VENTILATION DURING ALL ENTRY BY WORKERS

In the event of any physical or atmospheric change occurring, the assigned STANDARD SAFETY DESIGNATIONS apply to any of the above spaces or, if any doubt or need arises, stop work and contact the undersigned Marine Chemist.

**QUALIFICATIONS:** Movement of vessels from original location, transfer of ballast, or manipulation of valves or closure equipment (leading to other conditions in pipe lines, tanks or compartments subject to gas accumulation, unless specifically approved in this Certificate, requires inspection and endorsement or release of Certificate for the spaces so affected. All lines, vents, heating coils, valves, and similarly enclosed appurtenances shall be considered "not safe" unless otherwise specifically designated.

**STANDARD SAFETY DESIGNATIONS** (partial list, paraphrased from NFPA 308 Subsections 2-3.1 through 2-3.5, and Subsection 4-3.2)

**SAFE FOR WORKERS:** Means that in the compartment or space so designated: (a) the oxygen content of the atmosphere is at least 19.5 percent by volume, and that, (b) toxic materials in the atmosphere are within permissible concentrations; and that, (c) the residues are not capable of producing toxic materials under existing atmospheric conditions while maintained as directed on the Marine Chemist's Certificate.

**NOT SAFE FOR WORKERS:** Means that in the compartment or space so designated, the requirements of Safe for Workers have not been met.

**ENTER WITH RESTRICTIONS:** Means that in any compartment or space so designated, entry for work may be made only if conditions of proper protective equipment, clothing, and time are as specified.

**SAFE FOR HOT WORK:** Means that in the compartment so designated: (a) oxygen content of the atmosphere is at least 19.5 percent by volume, with the exception of inerted spaces or where external hot work is to be performed; and that, (b) the concentration of flammable materials in the atmosphere is below 10 percent of the lower flammable limit; and that, (c) the residues are not capable of producing a higher concentration than permitted by (b) above under existing atmospheric conditions in the presence of fire; and while maintained as directed on the Marine Chemist's Certificate; and further, that, (d) all adjacent spaces containing or having contained flammable or combustible materials have been cleaned sufficiently to prevent the spread of fire, or are satisfactorily inerted; or, in the case of fuel tanks or tube oil tanks, or engine room or fire room bilges, have been treated in accordance with the Marine Chemist's requirements.

**NOT SAFE FOR HOT WORK:** Means that in the compartment so designated, the requirements of Safe for Hot Work have not been met.

**SAFE FOR REPAIR YARD ENTRY:** Means that the compartments and spaces of the flammable cryogenic liquid carrier so designated: (a) have been tested by sampling at remote sampling stations and results indicate the atmosphere tested to be above 19.5 percent oxygen and less than 10 percent of the lower flammable limit; or (b) are inerted.

**CHEMIST'S ENDORSEMENT:** This is to certify that I have personally determined that all spaces in the foregoing list are in accordance with NFPA 308 Control of Gas Hazards on Vessels and have found the condition of each to be in accordance with its assigned designation.

The undersigned acknowledges receipt of this Certificate under Section 7-4 of NFPA 308 and understands conditions and limitations under which it was issued.

This Certificate is based on conditions existing at the time the inspection herein set forth was completed and issued subject to compliance with all applicable laws and instructions.

Signed

*Charles A. Moore*

4-27-97

Date

Signed

*Charles A. Moore*

1626

NOTE: THIS CERTIFICATE IS VALID ONLY ON MARINE VESSELS

SERIAL NO. H34527

LARRY

Survey Requested by

ETT 112

Vessel

BUTANOL

Last Three (3) Carbons

HERCULES

Vessel Owner or Agent

TANK BARGE

Type of Vessel

LELO-VISUAL

Tests Performed

26 APR 97

Date

HERCULES

Specific Location of Vessel

16:00

Time Survey Completed

GOW RAKE

STERN BOX

WING TANKS No 1, 2, 3 &amp; 4 - PORT

&amp; STARBOARD

CARGO TANKS No 1, 2 &amp; 3

SAFE FOR WORKERS

SAFE FOR HOTWORK

ATMOSPHERIC TEST 22.8% O<sub>2</sub>

0% LEL

PROVIDE VENTILATION DURING ALL ENTRY BY WORKERS

In the event of any physical or atmospheric changes, including the STANDARD SAFETY DESIGNATIONS assigned to any of the above spaces, or if in any doubt, immediately stop all work and contact the undersigned Marine Chemist.

**QUALIFICATIONS:** Movement of vessels from original location, transfer of ballast, or manipulation of valves or closure equipment tending to alter conditions in pipe lines, tanks or compartments subject to gas accumulation, unless specifically approved in this Certificate, requires inspection and endorsement or release of Certificate for the spaces so affected. All lines, vents, heating coils, valves, and similarly enclosed appurtenances shall be considered "not safe" unless otherwise specifically designated.

**STANDARD SAFETY DESIGNATIONS** (partial list, paraphrased from NFPA 306 Subsections 2-3.1 through 2-3.5, and Subsection 6-3.2)

**SAFE FOR WORKERS:** Means that in the compartment or space so designated: (a) the oxygen content of the atmosphere is at least 19.5 percent by volume, and that, (b) toxic materials in the atmosphere are within permissible concentrations, and that, (c) the residues are not capable of producing toxic materials under existing atmospheric conditions while maintained as directed on the Marine Chemist's Certificate.

**NOT SAFE FOR WORKERS:** Means that in the compartment or space so designated, the requirements of Safe for Workers have not been met.

**ENTRY WITH RESTRICTIONS:** Means that in any compartment or space so designated, entry for work may be made only if conditions of proper protective equipment, clothing, and time are as specified.

**SAFE FOR HOT WORK:** Means that in the compartment so designated: (a) oxygen content of the atmosphere is at least 19.5 percent by volume, with the exception of inerted spaces or where external hot work is to be performed, and that, (b) the concentration of flammable materials in the atmosphere is below 10 percent of the lower flammable limit, and that, (c) the residues are not capable of producing a higher concentration than permitted by (b) above under existing atmospheric conditions in the presence of fire, and while maintained as directed on the Marine Chemist's Certificate, and further, that, (d) all adjacent spaces containing or having contained flammable or combustible materials have been cleaned sufficiently to prevent the spread of fire, or are satisfactorily inerted, or, in the case of fuel tanks or tube oil tanks, or engine room or fire room bilges, have been treated in accordance with the Marine Chemist's requirements.

**NOT SAFE FOR HOT WORK:** Means that in the compartment so designated, the requirements of Safe for Hot Work have not been met.

**SAFE FOR REPAIR YARD ENTRY:** Means that the compartments and spaces of the flammable cryogenic liquid carrier so designated: (a) have been tested by sampling at remote sampling stations, and results indicate the atmosphere tested to be above 19.5 percent oxygen, and less than 10 percent of the lower flammable limit, or (b) are inerted.

**CHEMIST'S ENDORSEMENT:** This is to certify that I have personally determined that all spaces in the foregoing list are in accordance with NFPA 306 Control of Gas Hazards on Vessels and have found the condition of each to be in accordance with its assigned designation.

The undersigned acknowledges receipt of this Certificate under Section 2.4 of NFPA 306 and understands conditions and limitations under which it was issued.

This Certificate is valid on condition of existing at the time the inspection herein set forth was completed and is issued subject to compliance with all regulations and instructions.

Signed *Charles A. Smith* 4-27-97

Signed *Charles A. Smith*

NOTE: THIS CERTIFICATE IS VALID ONLY ON MARINE VESSELS

## HERCULES OFFSHORE CO.

INVOICE NO. \_\_\_\_\_

MARINE REPAIR  
ORDER No. \_\_\_\_\_

MARINE OPERATIONS FACILITY

CUSTOMER P.O. \_\_\_\_\_

DATE	ORDER DATED	4-26-97	STA	
	ARRIVAL			
	COMPLETION DATE			
	DEPARTURE DATE			
	NAME	E-T 112		
	LOG			
	FOREMAN	C. Dante		
	LAST PRODUCT			
	GAS FREEING	YES <input type="checkbox"/> NO <input type="checkbox"/>	CERTIFICATE REQUIRED	YES <input type="checkbox"/> NO <input type="checkbox"/>
	HAUL OUT FOR INSPECTION AND REPAIR	YES <input type="checkbox"/> NO <input type="checkbox"/>		
	ON WAYS		DATE:	
	ON WAYS		DATE:	

CUSTOMER	NAME	BASF
	BILLING ADDRESS	
	CITY AND STATE	
	PHONE NUMBER	
	DATE SUBMITTED BY	
	BY SUBMITTED BY	
	STOCK MATERIAL	<input type="checkbox"/> YES <input type="checkbox"/> NO
	IF YES, COMPLETE STOCK MATERIAL TRANSFER TICKET	
	OUTSIDE SERVICES	<input type="checkbox"/> YES <input type="checkbox"/> NO
	IF YES, LIST	

## ITEM NUMBERS

- 1 Deballast / Strip & Blow Dry in Gas Free for Chemical Inspection. Reballast ~~to~~ Blow Rake (to Normal Ballast) before releasing to the Bunker Water II
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10

THIS SHALL SERVE AS YOUR AUTHORIZATION TO PROCEED WITH THE ABOVE.

Signed: Charles Dante Date: 4-26-97

000296

BASF 04/23/97

4-5494  
ETT 113

BASF  
4-23-97

000297

# HERCULES OFFSHORE CO.

## MARINE REPAIR

MARINE OPERATIONS FACILITY

INVOICE NO. \_\_\_\_\_

ORDER No. 4-5494

CUSTOMER P.O. \_\_\_\_\_

DATE	ORDER DATED	ETA
	4-23-97	11:30 a.m.
	ARRIVAL	
	COMPLETION DATE	
	DEPARTURE DATE	
	NAME	ETA 113
	LOG	OSW
	PROGRAM	
	LAST PRODUCT	
	GAS FREEING YES <input type="checkbox"/> NO <input type="checkbox"/>	CERTIFICATE REQUIRED YES <input type="checkbox"/> NO <input type="checkbox"/>
	HAUL OUT FOR INSPECTION AND REPAIR YES <input type="checkbox"/> NO <input type="checkbox"/>	
	ON WAYS	DATE: _____
	ON WAYS	DATE: _____

CUSTOMER	NAME	BASF
	BILLING ADDRESS	
	CITY AND STATE	FREEDPORT, TX
	PHONE NUMBER	
	DATE SUBMITTED BY	DATE SUBMITTED BY
	SUZETTE	
	STOCK MATERIAL	<input type="checkbox"/> YES <input type="checkbox"/> NO
	IF YES, COMPLETE STOCK MATERIAL TRANSFER TICKET	
	OUTSIDE SERVICES	<input type="checkbox"/> YES <input type="checkbox"/> NO
	IF YES, LIST	

### ITEM NUMBERS

1 STRIP AND BLOW DRY. RELEASE TO BROWN WATER IV.

2

3

4

5

6

7

8

9

10

THIS SHALL SERVE AS YOUR AUTHORIZATION TO PROCEED WITH THE ABOVE.

Signed: \_\_\_\_\_ Date: \_\_\_\_\_

000298





— 4-5488 BASF —  
ETT 112 4-26-97

000299

**BASF Corporation**

**BASF**

**BASF BARGE SCHEDULE FOR HERCULES**

**April 18, 1997**

**April 19, 1997 - 0800 - Saturday**

**ETT 114 - Deballast and release to Brown Water IV.**

**April 21, 1997 - 0800 - Monday**

**ETT 112 - Deballast and release to Brown Water IV.**

**ETT 115 - Deballast and release to Brown Canal.**

4-5488  
*Strip and blow and gas free.  
etc.*

# HERCULES OFFSHORE CO.

## MARINE REPAIR

MARINE OPERATIONS FACILITY

INVOICE NO. \_\_\_\_\_

ORDER No. 4-5488

CUSTOMER P.O. \_\_\_\_\_

DATE	ORDER NUMBER	4-24-97	STA	0800
	APPROVAL			
	COMPLETION DATE			
	DEPARTURE DATE			
RTV <input type="checkbox"/> CASE NO. <u>ETT 112</u>				
NAME <u>DUARTE</u>				
LAST PRODUCT				
GAS FREEING YES <input type="checkbox"/> NO <input type="checkbox"/> CERTIFICATE REQUIRED YES <input type="checkbox"/> NO <input type="checkbox"/>				
HAUL OUT FOR INSPECTION AND REPAIR YES <input type="checkbox"/> NO <input type="checkbox"/>				
ON WAYS DATE: _____				
ON WAYS DATE: _____				

CUSTOMER	NAME	BASF
	BILLING ADDRESS	
	CITY AND STATE	FREEPORT, TX
	PHONE NUMBER	
BOOK TO BE USED BY		BY AUTHORIZED BY
SUZETTE		
STOCK MATERIAL <input type="checkbox"/> YES <input type="checkbox"/> NO		
IF YES, COMPLETE STOCK MATERIAL TRANSFER TICKET		
OUTSIDE SERVICES <input type="checkbox"/> YES <input type="checkbox"/> NO		
IF YES, LIST		

### ITEM NUMBERS

- 1 DERAILAST ~~and~~ and  
Release to Brown Water IV.
- 2 Strip + Blow + gas free (Chemist - 4-21-2000)
- 3 Weld fracture on bow rake.
- 4 Weld <sup>(weld)</sup> 'log' on wing tank #3.
- 5
- 6
- 7
- 8
- 9
- 10

THIS SHALL SERVE AS YOUR AUTHORIZATION TO PROCEED WITH THE ABOVE.

Signed: \_\_\_\_\_ Date: \_\_\_\_\_

000301

# HERCULES

DRINE SERVICES CORPORATION

O. Drawer O • Freeport, Texas 77541

VOICE NO. : 3853

DATE : 4-21-97

Job No. : 4-5488

Location : Freeport, TX

BASF  
602 Copper Road  
Freeport, Texas 77541

PLEASE REMIT PAYMENTS TO:  
11011 RICHMOND  
SUITE 500  
HOUSTON, TX. 77042

Terms : Net 30

R: Services to the ETT 112 as follows:

Strip and blow dry. Deballast wing tank #4 and bow rake.  
Weld two fractures, one on stern box and one on bow rake.  
Weld dog back on wing tank hatch cover.

LABOR:	Leadman	5 Hrs.	@	35.00 (ST)	\$ 175.00
	Leadman	3.5 Hrs.	@	49.50 (OT)	\$ 173.25
	Journeyman	15 Hrs.	@	32.50 (ST)	\$ 487.50
	Journeyman	10.5 Hrs.	@	45.75 (OT)	\$ 480.38
STOCK:	\$49.00	Plus 25%	@	12.25	\$ 61.25
CHEMIST:	\$300.00	Plus 25%	@	75.00	\$ 375.00
EQUIPMENT:	Compressor	8 Hrs.	@	48.00/Hr.	\$ 384.00
	Air Movers	32 Hrs.	@	5.00/Hr.	\$ 160.00
	Vacuum	4 Hrs.	@	30.00/Hr.	\$ 120.00
	Hand Hose	3 Hrs.	@	12.00/Hr.	\$ 36.00
	2" Strip Pmp	8 Hrs.	@	15.00/Hr.	\$ 120.00
	3" Gas Pump	12 Hrs.	@	18.00/Hr.	\$ 216.00
	Weld Machine	2 Hrs.	@	15.00/Hr.	\$ 30.00
Cutting Rig	1 Hr.	@	8.00/Hr.	\$ 8.00	

TOTAL AMOUNT DUE \$2,826.38

PHONE: (409) 233-6371

000302

# BARGE CLEANING REPORT

JOB NO. 4-5488  
 BARGE NO. LT-112  
 CONTRACT BASIS  
 PRODUCT Normal BUTANOL

ETA 0800  
 DATE/TIME ARRIVAL 4-21-97/0800  
 DATE/TIME STARTED 4-21-97/0800  
 DATE/TIME COMPLETE 4-21-97/1700

AMOUNT STRIPPED \_\_\_\_\_

CLEANING INSTRUCTION BY: SUZETTE  
 COMPLETION SCHEDULE BY: SUZETTE  
 OVERTIME AUTHORIZED BY: \_\_\_\_\_  
 BARGE INSPECTED BY: CHARLIE DATE/TIME: 4-21-97/19-00  
 BARGE RELEASED TO: BROWN WATER TV DATE/TIME: \_\_\_\_\_  
 DECKWELL OPENED: YES Y/A NO \_\_\_\_\_ CLOSED BY \_\_\_\_\_ NEW CASSET YES \_\_\_\_\_ NO \_\_\_\_\_  
 BELOW DECK CARCO PIPELINE: BLIND OPEN YES Y/A NO \_\_\_\_\_ CLOSED BY \_\_\_\_\_ NEW CASSET \_\_\_\_\_  
 DECK CHECK VALVE OPENED: YES ✓ NO \_\_\_\_\_ CLOSED BY Lead NEW CASSET ✓ YES \_\_\_\_\_ NO \_\_\_\_\_  
 DECK HEADER BLINDS OPEN: yes INSPECTED BY CALEB BRETT ✓ YES \_\_\_\_\_ NO \_\_\_\_\_  
 DECK HEADER DRAIN PLUG OPEN: YES ✓ NO \_\_\_\_\_ CLOSED BY duan  
 VAPOR RECOVERY HEADER OPENED: YES ✓ NO \_\_\_\_\_ CLOSED BY duan NEW CASSET \_\_\_\_\_  
 RUST SCALE: YES \_\_\_\_\_ NO ✓ WASHED OUT \_\_\_\_\_ BUCKETED OUT \_\_\_\_\_ YES \_\_\_\_\_ NO \_\_\_\_\_  
 NUMBER OF CARCO TANKS 3  
 CONDITION OF CARCO VALVES GOOD  
 SLOP TANK STRIPPED: YES Y/A NO \_\_\_\_\_  
 DRIP PANS STRIPPED: YES ✓ NO \_\_\_\_\_  
 WEATHER: TEMP 80° RAIN \_\_\_\_\_ FOG \_\_\_\_\_ HUMIDITY \_\_\_\_\_ OVERCAST ✓ CLOUDY ✓ CLEAR \_\_\_\_\_  
 PIPELINE WASHED: NO PIPELINE BLOWN yes INSPECTED BY CALEB BRETT  
 BOW RAKE CHECKED: YES ✓ NO \_\_\_\_\_ STERN RAKE: YES ✓ NO \_\_\_\_\_  
 VOIDS: YES ✓ NO \_\_\_\_\_ SAFETY EQUIPMENT USED: \_\_\_\_\_  
 SHIP INSPECTED yes

## NOTICE

All barges cleaned for BMT will be inspected by Caleb Brett. The inspector will have paperwork for the Hercules foreman in charge to sign. The foreman will put two copies in the document mail box. One copy will stay in the mailbox, and the captain of the tugboat that is picking up the barge will not be called until inspection is completed and documentation is in the mailbox. If any problems, BMT logistics representative must be contacted.

Inspected 4-21-1997 1900 1920  
 Time In Time Out

Inspected By Charlie Bennett - Caleb Brett

000303

NO BARGE BARGE THAT HAS BEEN CLEANED WILL BE RELEASED UNTIL CALEB BRETT INSPECTED & RELEASES BARGE. CALEB BRETT WILL BE GIVEN A COPY OF THIS FORM.

# HAZARD COMMUNICATION STANDARD

OSHA 1910.1200

## EMPLOYEE HAZARDOUS MATERIALS TRAINING PROGRAM

Date 11-21-97

Plant HCC CULCS

Area SPS FREE DOCK

Supervisor [Signature]

Client Safety                     

The following listed materials are considered to be hazardous to the employees working in this area:

<u>N-BUTANOL</u>		

The employees assigned to work in this area have been informed of the hazardous materials in this area, the hazards they present to the workers, the location of hazards listed, the protective equipment that has been provided and where it is located, and procedures to be followed in case of an accidental exposure. I have received the training listed above and will so designate by signing this form.

NAME	BADGE	NAME	BADGE
<u>Sharon Quisenberry</u>			
<u>Lane Cow</u>			
<u>Lane Cow</u>			
<u>Sharon Quisenberry</u>			

# HERCULES OFFSHORE CO.

INVOICE NO. 3862

## MARINE REPAIR

MARINE OPERATIONS FACILITY

ORDER No. 45497

CUSTOMER P.O. \_\_\_\_\_

DATE	ORDER WRITTEN <u>4-27-97</u>	ETA
	ARRIVAL	
	COMPLETION DATE	
	DEPARTURE DATE	
DIV <input type="checkbox"/> SARGE <input checked="" type="checkbox"/>		
NAME <u>ETT 112</u>		
LOA		BIRTH
FOREMAN <u>C. Duarte</u>		
LAST PRODUCT		
GAS FREEING YES <input type="checkbox"/> NO <input type="checkbox"/> CERTIFICATE REQUIRED YES <input type="checkbox"/> NO <input type="checkbox"/>		
HAUL OUT FOR INSPECTION AND REPAIR YES <input type="checkbox"/> NO <input type="checkbox"/>		
ON WAYS		DATE: _____
ON WAYS		DATE: _____

CUSTOMER	NAME <u>BASE</u>
	BILLING ADDRESS
	CITY AND STATE <u>Freeport</u>
	PHONE NUMBER
WORK AUTHORIZED BY _____	
S/V AUTHORIZED BY _____	
STOCK MATERIAL <input type="checkbox"/> YES <input type="checkbox"/> NO	
IF YES, COMPLETE STOCK MATERIAL TRANSFER TICKET	
OUTSIDE SERVICES <input type="checkbox"/> YES <input type="checkbox"/> NO	
IF YES, LIST	

ITEM NUMBERS	DESCRIPTION
1	<u>Strip &amp; Blow Dry</u> <u>Deballast - Has Free</u> <u>Chemist</u>
2	
3	
4	
5	
6	
7	
8	

000305

No signature on bottom



# HEF ULES OFFSHORE CO.

INVOICE NO. \_\_\_\_\_

## MARINE REPAIR ORDER No. \_\_\_\_\_

MARINE OPERATIONS FACILITY

CUSTOMER P.O. \_\_\_\_\_

DATE	ORDER WRITTEN 4-26-97	ETA
	ARRIVAL	
	COMPLETION DATE	
	DEPARTURE DATE	
M/V <input type="checkbox"/> BARGE <input checked="" type="checkbox"/> NAME <i>ETT 112</i> LOA _____ WIDTH _____		
FOREMAN <i>C. Duarte</i>		
LAST PRODUCT		
GAS FREEING YES <input type="checkbox"/> NO <input type="checkbox"/> CERTIFICATE REQUIRED YES <input type="checkbox"/> NO <input type="checkbox"/>		
HAUL OUT FOR INSPECTION AND REPAIR YES <input type="checkbox"/> NO <input type="checkbox"/>		
ON WAYS _____ DATE: _____		
ON WAYS _____ DATE: _____		

CUSTOMER	NAME <i>BASF</i>
	BILLING ADDRESS
	CITY AND STATE
	PHONE NUMBER
WORK AUTHORIZED BY _____ C/P AUTHORIZED BY _____	
STOCK MATERIAL <input type="checkbox"/> YES <input type="checkbox"/> NO	
IF YES, COMPLETE STOCK MATERIAL TRANSFER TICKET	
OUTSIDE SERVICES <input type="checkbox"/> YES <input type="checkbox"/> NO	
IF YES, LIST	

### ITEM NUMBERS

- 1 *Deballast / Strip & Blow Dry per Gas Free for Chemist Inspection. Reballast before Bow Rake (to Normal Ballast) before releasing to Mr. Brown White IV*
- 2
- 3
- 4
- 5
- 6
- 7
- 8

000306

1 Deballast / Strip & Blow by per Gas Free for Chemical  
Inspection. Reballast before Bow Rake (to Normal  
2 Ballast) before releasing to the Brown Water II

3

4

5

6

7

8

9

10

THIS SHALL SERVE AS YOUR AUTHORIZATION TO PROCEED WITH THE ABOVE.

Signed: Charles Rivera

Date: 4-26-97

## HAZARD COMMUNICATION STANDARD

OSHA 1910.1200

## EMPLOYER HAZARDOUS MATERIALS TRAINING PROGRAM

Date 4-27-97Supervisor Charles DuntPlant HP-CULS MNYINC

Client Safety \_\_\_\_\_

Area HP'S EXCE DOCK

The following listed materials are considered to be hazardous to the employee working in this area:

<u>HP Butanal</u>	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

The employees assigned to work in this area have been informed of the hazardous materials in this area, the hazards they present to the workers, the location of hazards listed, the protective equipment that has been provided and where it is located, and procedures to be followed in case of an accidental exposure. I have received the training listed above and will so designate by signing this form.

NAME	BADGE	NAME	BADGE
<u>John J. Dunt</u>	<u>000</u>	_____	_____
<u>John J. Dunt</u>	_____	_____	_____
<u>Debra Casas</u>	_____	_____	_____
<u>Agnes Cruz</u>	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	000308
_____	_____	_____	_____
_____	_____	_____	_____

BASF 04/21/97

4-5488  
EIT 112

BASF  
4-24-97

000309

# HERCULES

MARINE SERVICES CORPORATION

P. O. Drawer O • Freeport, Texas 77541

VOICE NO. : 3853

DATE : 4-21-97

Job No. : 4-5488

Location : Freeport, TX

TO: BASF  
602 Copper Road  
Freeport, Texas 77541

PLEASE REMIT PAYMENTS TO:  
11011 RICHMOND  
SUITE 500  
HOUSTON, TX. 77042

Terms : Net 30

FOR: Services to the ETT 112 as follows:

Strip and blow dry. Deballast wing tank #4 and bow rake.  
Weld two fractures, one on stern box and one on bow rake.  
Weld dog back on wing tank hatch cover.

LABOR:	Leadman	5 Hrs.	@	35.00 (ST)	\$ 175.00
	Leadman	3.5 Hrs.	@	49.50 (OT)	\$ 173.25
	Journeyman	15 Hrs.	@	32.50 (ST)	\$ 487.50
	Journeyman	10.5 Hrs.	@	45.75 (OT)	\$ 480.38

STOCK:	\$49.00	Plus 25%	@	12.25	\$ 61.25
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CHEMIST:	\$300.00	Plus 25%	@	75.00	\$ 375.00
----------	----------	----------	---	-------	-----------

EQUIPMENT:	Compressor	8 Hrs.	@	48.00/Hr.	\$ 384.00
	Air Movers	32 Hrs.	@	5.00/Hr.	\$ 160.00
	Vacuum	4 Hrs.	@	30.00/Hr.	\$ 120.00
	Hand Hose	3 Hrs.	@	12.00/Hr.	\$ 36.00
	2" Strip Pmp	8 Hrs.	@	15.00/Hr.	\$ 120.00
	3" Gas Pump	12 Hrs.	@	18.00/Hr.	\$ 216.00
	Weld Machine	2 Hrs.	@	15.00/Hr.	\$ 30.00
Cutting Rig	1 Hr.	@	8.00/Hr.	\$ 8.00	

TOTAL AMOUNT DUE					\$2,826.38
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000310

HONE: (409) 233-8371

# JOB WORKSCOPE/BREAKDOWN

Job Number: 4-5488 Date: 4-21-97 Invoice Number: 3853

Customer: BASF Barge/MV: ETT 112

Travel Time: \_\_\_\_\_ Hours @ \$17.50/Hr = \_\_\_\_\_ Mileage: \_\_\_\_\_ @ \$.25/Mi = \_\_\_\_\_

Foreman: \_\_\_\_\_ Hours (ST) @ \$ 38.00/Hour \_\_\_\_\_

\_\_\_\_\_ Hours (OT) @ \$ 53.25/Hour \_\_\_\_\_

Leadman: 5 Hours (ST) @ \$ 35.00/Hour 175.00

3.5 Hours (OT) @ \$ 49.50/Hour 173.25

Journeyman: 15 ~~10~~ Hours (ST) @ \$ 32.50/Hour 487.50 ~~325.00~~

10 1/2 ~~8~~ Hours (OT) @ \$ 45.75/Hour 480.38 ~~320.25~~

DISPOSAL: \_\_\_\_\_ Gallons @ \$ 0.60/Gallon \_\_\_\_\_

Slop Oil \_\_\_\_\_ Gallons @ \$ 0.35/Gallon \_\_\_\_\_

Water \_\_\_\_\_ Gallons @ \$ 5.00/1,000 Gallons \_\_\_\_\_

WATER: \_\_\_\_\_ Gallons @ \$ 5.00/1,000 Gallons \_\_\_\_\_

MATERIAL: \_\_\_\_\_ Plus 25% \_\_\_\_\_ = \_\_\_\_\_

STOCK: 49.00 Plus 25% 12.25 = 61.25

CHEMIST: 300 Plus 25% 75.00 = 375.00

## EQUIPMENT:

Compressor 8 Hours @ \$ 48.00/Hour 384.00

Air Movers 32 Hours @ \$ 5.00/Hour 160.00

Vacuum 4 Hours @ \$ 30.00/Hour 120.00

Hand Hose 3 Hours @ \$ 12.00/Hour 36.00

2" Strip Pump 8 Hours @ \$ 15.00/Hour 120.00

3" Gas Pump 12 Hours @ \$ 18.00/Hour 216.00

Hand Tools \_\_\_\_\_ Each @ \$ 10.00 Each \_\_\_\_\_

Weld Machine 2 Hours @ \$ 15.00/Hour 30.00

Cutting Rig 1 Hours @ \$ 8.00/Hour 8.00

Haul Out \_\_\_\_\_ Each @ \$1,100.00 Each \_\_\_\_\_

Forklift \_\_\_\_\_ Hours @ \$ 30.00/Hour \_\_\_\_\_

Tugboat \_\_\_\_\_ Hours @ \$ 100.00/Hour \_\_\_\_\_

Steam Rig \_\_\_\_\_ Hours @ \$ 100.00/Hour \_\_\_\_\_

Cherry Picker \_\_\_\_\_ Hours @ \$ 70.00/Hour \_\_\_\_\_

Crane \_\_\_\_\_ Hours @ \$ 130.00/Hour \_\_\_\_\_

Butterworth \_\_\_\_\_ Hours @ \$ 10.00/Hour \_\_\_\_\_

4" Elec Pump \_\_\_\_\_ Hours @ \$ 15.00/Hour \_\_\_\_\_

Truck \_\_\_\_\_ Hours @ \$ 25.00/Hour \_\_\_\_\_

000311

## MATERIAL COST:

Coveralls 2 @ 3.50 Ea. = 7.00

Respirator 4 @ 6.00 Ea. = 24.00

Flashlights 1 @ 12.00 Ea. = 12.00

Goggles \_\_\_\_\_ @ 4.00 Ea. = \_\_\_\_\_

Raincoats \_\_\_\_\_ @ 40.00 Ea. = \_\_\_\_\_

Lantern \_\_\_\_\_ @ 13.00 Ea. = \_\_\_\_\_

Batteries 2 @ 3.00 Ea. = 6.00

Gloves/Rbr \_\_\_\_\_ @ 3.00 Ea. = \_\_\_\_\_

Gaskets \_\_\_\_\_ @ 6.00 Ea. = \_\_\_\_\_

Boots \_\_\_\_\_ @ 12.00 Pr. = \_\_\_\_\_

White Rags \_\_\_\_\_ @ 20.00/Box = \_\_\_\_\_

Cleaner \_\_\_\_\_ @ 75.00 = \_\_\_\_\_

\*TOTAL INVOICE:\*

24128.75  
2826.38

Survey Requested by LARRY Vessel Owner or Agent HERCULES Date 21 APR 97  
ETT-112 Type of Vessel TANK BARGE Specific Location of Vessel HERCULES  
 Vessel BUTANONE Tests Performed LEL-O-VISUAL Time Survey Complete 18:00  
 Last Three (3) Cargoes

CARGO TANKS No 1, 2 & 3

WING TANKS No 1, 2, 3 & 4 - PORT

+ STARBOARD

SAFE FOR WORKERS

SAFE FOR HOTWORK

BOW RAKE

STEAM BOX

Job # 4-5488  
 Check # 803 gm  
 #3000

In the event of any physical or atmospheric changes adversely affecting the STANDARD SAFETY DESIGNATIONS assigned to any of the above spaces, or if in any doubt, immediately stop all work and contact the undersigned Marine Chemist.

**QUALIFICATIONS:** Movement of vessels from original location, transfer of ballast, or manipulation of valves or closure equipment tending to alter conditions in pipe lines, tanks or compartments subject to gas accumulation, unless specifically approved in this Certificate, requires inspection and endorsement or release of Certificate for the spaces so affected. All lines, vents, heating coils, valves, and similarly enclosed appurtenances shall be considered "not safe" unless otherwise specifically designated.

**STANDARD SAFETY DESIGNATIONS** (partial list, paraphrased from NFPA 306 Subsections 2-3.1 through 2-3.5, and Subsection 6-3.2)

**SAFE FOR WORKERS:** Means that in the compartment or space so designated: (a) the oxygen content of the atmosphere is at least 19.5 percent by volume, and that (b) toxic materials in the atmosphere are within permissible concentrations; and that, (c) the residues are not capable of producing toxic materials under existing atmospheric conditions while maintained as directed on the Marine Chemist's Certificate.

**NOT SAFE FOR WORKERS:** Means that in the compartment or space so designated, the requirements of Safe for Workers have not been met.

**ENTER WITH RESTRICTIONS:** Means that in any compartment or space so designated, entry for work may be made only if conditions of proper protective equipment, clothing, and time are as specified.

**SAFE FOR HOT WORK:** Means that in the compartment so designated: (a) oxygen content of the atmosphere is at least 19.5 percent by volume, with the exception of inerted spaces or where external hot work is to be performed; and that, (b) the concentration of flammable materials in the atmosphere is below 10 percent of the lower flammable limit; and that (c) the residues are not capable of producing a higher concentration than permitted by (b) above under existing atmospheric conditions in the presence of fire, and while maintained as directed on the Marine Chemist's Certificate; and further, that, (d) all adjacent spaces containing or having contained flammable or combustible materials have been cleaned sufficiently to prevent the spread of fire, or are satisfactorily inerted; or, in the case of fuel tanks or tube oil tanks, or engine room or fire room bays, have been treated in accordance with the Marine Chemist's requirements.

**NOT SAFE FOR HOT WORK:** Means that in the compartment so designated, the requirements of Safe for Hot Work have not been met.

**SAFE FOR REPAIR YARD ENTRY:** Means that the compartments and spaces of the flammable cryogenic liquid carrier so designated: (a) have been tested by sampling at remote sampling stations, and results indicate the atmosphere tested to be above 19.5 percent oxygen, and less than 10 percent of the lower flammable limit; or (b) are inerted.

**CHEMIST'S ENDORSEMENT:** This is to certify that I have personally determined that all spaces in the foregoing list are in accordance with NFPA 306 Control of Gas Hazards on Vessels and have found the condition of each to be in accordance with its assigned designation.

The undersigned acknowledges receipt of this Certificate under Section 2-4 of NFPA 306 and understands conditions and limitations under which it was issued.

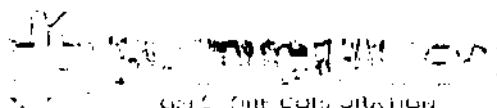
This Certificate is based on conditions existing at the time the inspection herein was made and is complete issued subject to compliance with all qualifications and instructions.

Signed Charles Duarte

Signed Kurt Maw

NOTE: THIS CERTIFICATE IS VALID ONLY ON MARINE VESSELS.





P.O. Drawer 9  
Houston, Texas 77041  
Cable: 00912 33 6371  
Fax: 281 283 6370

### FINAL CHECK LIST

DATE: 4-21-97

ARGE: E+T=112

NUMBER CHECKED 2 REPLACED GASKETS YES      NO       
CHECK VALVE NUMBER CHECKED 6 REPLACED GASKETS YES      NO       
PLUGS NUMBER CHECKED 1 REPLACED PLUG YES      NO       
CHECK VALVE NUMBER CHECKED N/A REPLACED GASKET YES      NO       
BEPWELL BLIND NUMBER CHECKED N/A REPLACED GASKET YES      NO       
  
LOW DECK CARGO PIPELINE BLIND NUMBER N/A REPLACED GASKET YES      NO       
LOW DECK CARGO PIPELINE BLIND REMOVED YES      NO       
  
PANS VALVES: CLOSED BY CASAS  
TRIP PANS COVER: CLOSED BY CASAS  
  
CONTAINMENT AREA PLUG OR VALVES: CLOSED BY CRUZ  
  
AIR TEST CARGO LINE - 40psi - USING SOAP  
  
SIGNATURE OF TESTER: Charles Deane  
WITNESS: Lazare Carr

CHECK VALVE GASKET WILL BE REPLACED  
AIR TEST IS BEING DONE TO BE DONE BEFORE RELEASE OF VESSEL

000313

BASF

Hercules

## 2455 Free Dock Hercules

FREEPORT TX.

DELIVERED TO RECEIVER

1. Communication System/Language Fluency (15d.120) (m) (p)
2. Warning Signs and red Warning Signals. (3d.35-30)
3. Vessel Mooring. (15d.120 (a))
4. Transfer System Alignment. (15d.120 (d))
5. Transfer System; unused components. (15d.120 (a))
6. Transfer Systems; fixed piping. (15d.120 (f))
7. Overboard Discharges/Sea Suction Valves. (15d.120 (g))
8. Hoses or Loading Arms condition. (15d.120 (h) (15d.170)
9. Pumps; length and support. (15d.120 (b) (c))
10. Connections. (15d.120)
11. Discharge Containment Systems. (15d.120 (j) (i))
12. Scuppers or Drains. (15d.120 (k))
13. Emergency Shutdown. (15d.120 (n))
14. Repair Work Authorization. (3d.35-30)
15. Boiler and Calder Vessel Safety. (3d.35-30)
16. Fire or Open Flames. (3d.35-30)
17. Lighting (except to sunline). (15d.120 (l))
18. Hot Smoking Spaces. (3d.35-30)
19. Split and Emergency shutdown procedures. (15d.120 (q))
20. Electrical Personnel. (15d.120 (e) (a))
21. Transfer Conference. (15d.120 (q))
22. Arrangement to begin transfer. (15d.120 (r))

[illegible]

~~Person in Charge Resolving Date~~

*Charles E. Smith*

**TITLE**

Foruman

TEAM & DATES

4-2497, 11:00 AM

Prüfungsausschuss Ballverlag Uster

*Alfred E. Smith*

**FUEL PERSON**

TIME COMPLETED 4-26-87 = 7:30

000314

- Rules and Regulations for Tank Vessels

HAZARD COMMUNICATION STANDARD

OSHA 1910.1200

EMPLOYEE HAZARDOUS MATERIALS TRAINING PROGRAM

Date 11-21-97

Plant HERCULES

Area AS Free Dock

Supervisor Shirley Smith

Client Safety                     

The following listed materials are considered to be hazardous to the employee working in this area:

<u>N-BUTANOL</u>		

The employees assigned to work in this area have been informed of the hazardous materials in this area, the hazards they present to the workers, the location of hazards listed, the protective equipment that has been provided and where it is located, and procedures to be followed in case of an accidental exposure. I have received the training listed above and will so designate by signing this form.

NAME	BADGE	NAME	BADGE
<u>Shirley Smith</u>			
<u>Larry Carr</u>			
<u>Larry Carr</u>			
<u>Sean Rivera</u>			

(1-202-383-7616) OUTSIDE THE U.S. AND IN CANADA (N.O.T. D.C.)  
EMERGENCY RESPONSE INFORMATION SHEET

C. 12912

N-BUTANOL

FLAMMABLE  
DOT LIQUID  
HALL 20

FORM: LIQUID, CLEAR  
SPECIFIC GRAVITY: 0.8  
SOLUBILITY IN WATER: MIXES SLIGHTLY  
FREEZING POINT: -128°F  
BOILING POINT: 243.9°F  
FLASH POINT: 97°F (TOC)

FLAMMABLE LIMITS: 1.4% - 11.2%  
VAPOR HAZARD: FLAMMABLE.  
IRRITATING.  
REACTS WITH: OXIDIZING MATERIALS,  
COPPER AND ITS ALLOYS.

## HEALTH HAZARDS

ANIMAL: AVOID INGESTION. AVOID EXPOSURE.  
FISH: AVOID ENTRY INTO NATURAL WATERS. MAY CAUSE LOCALIZED FISH KILL.  
EYES: MODERATE BURN. MODERATE IRRITATION.  
SKIN: MODERATE IRRITATION; TOXIC BY ABSORPTION UPON GROSS CONTACT.  
INHALATION: SLIGHTLY IRRITATING. DROWSINESS, UNCONSCIOUSNESS.  
INGESTION: LOW TOXICITY.

## IN CASE OF ACCIDENT

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FLAMMABLE. IRRITATING. KEEP UPWIND. ISOLATE AREA AND DENY ENTRY.  
DO NOT GET IN EYES. AVOID CONTACT WITH SKIN. AVOID BREATHING VAPORS.  
USE WATER SPRAY TO REDUCE VAPOR. NO SMOKING, FLARES, OR OPEN FLAMES.  
SHUT OFF IGNITION AND LEAK IF WITHOUT RISK. USE NONCOMBUSTIBLE ABSORBENT  
MATERIAL/SAND AND SHOVEL INTO SUITABLE CONTAINERS.  
DIKE LARGER SPILLS AND RECOVER. AVOID ENTRY INTO SEWERS AND/OR NATURAL  
WATERS.  
CLOTHING: WEAR FULL PROTECTIVE CLOTHING AND SELF-CONTAINED BREATHING  
APPARATUS.  
DISPOSAL: CONTACT MANUFACTURER AND AUTHORITIES.

F  
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R  
E

FLAMMABLE. IRRITATING.  
DO NOT PUT OUT ANY FIRES AT VENTS UNTIL LEAK IS SHUT OFF.  
MAY DECOMPOSE IN HEAT/FIRE RELEASING PRODUCTS OF GREATER HAZARD.  
COOL CONTAINERS EXPOSED TO HEAT/FIRE WITH WATER TO PREVENT RUPSTING.  
SMALL FIRES: USE DRY CHEMICAL OR CO<sub>2</sub>.  
LARGE FIRES: USE WATER SPRAY, FOG, OR ALCOHOL FOAM. IF MASSIVE FIRE:  
USE UNMANNED HOSE HOLDER OR MONITOR NOZZLES. IF THIS IS IMPOSSIBLE,  
WITHDRAW FROM AREA AND LET FIRE BURN. DIKE LIQUID RUN-OFF.  
AVOID ENTRY INTO SEWERS AND/OR NATURAL WATERS.

F  
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D

EYES: IRRIGATE WITH FLOWING WATER IMMEDIATELY AND CONTINUOUSLY FOR 15  
MINUTES. CONSULT MEDICAL PERSONNEL.  
SKIN: IMMEDIATELY FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES  
WHILE REMOVING CONTAMINATED CLOTHING. CONSULT MEDICAL PERSONNEL.  
CLOTHING: REMOVE CONTAMINATED CLOTHING IMMEDIATELY AND WASH BEFORE  
REUSE. DESTROY CONTAMINATED SHOES AND LEATHER ITEMS.  
INHALATION: REMOVE TO FRESH AIR IF EFFECTS OCCUR. CONSULT MEDICAL  
PERSONNEL.

000316

The information contained herein is hereby presented as a complimentary act, in good faith, and is, to the best of The Dow Chemical Company's knowl-  
edge and belief, accurate and reliable, but may not be complete. No representation, guarantee or warranty is made as to its  
accuracy, reliability or completeness and, as Governmental regulations and conditions change, the user's responsibility to determine the  
current appropriateness and suitability for specific uses prior to use.

DOW CHEMICAL U.S.A.

R-04-01-81

JOB NO. 4-5488  
BARGE NO. FTI-112  
CU NO. BR-515  
PRODUCT Normal BUTANOL

BARGE CLEANING REPORT

ETA 0800  
DATE/TIME APPROVAL 4-21-97/08  
DATE/TIME STARTED 4-21-97/08  
DATE/TIME COMPLETE 4-21-97/19

ACCOUNT STRIPPED \_\_\_\_\_  
CLEANING INSTRUCTION BY: SUZETTE  
COMPLETION SCHEDULE BY: SUZETTE  
OVERTIME AUTHORIZED BY: \_\_\_\_\_  
BARGE INSPECTED BY: CHARLIE  
BARGE RELEASED TO: BROWN WATER TV  
DATE/TIME: 4-21-97/19 06  
DECKWELL OPENED: YES YES NO \_\_\_\_\_ CLOSED BY \_\_\_\_\_ DATE/TIME: \_\_\_\_\_  
BELOW DECK CARCO PIPELINE: BLIND OPEN YES YES NO \_\_\_\_\_ NEW CASSET YES \_\_\_\_\_ NO \_\_\_\_\_  
DECK CHECK VALVE OPENED: YES YES NO \_\_\_\_\_ CLOSED BY NEW CASSET YES \_\_\_\_\_ NO \_\_\_\_\_  
DECK HEADER BLINDS OPEN: yes INSPECTED BY CALEB BRET YES \_\_\_\_\_ NO \_\_\_\_\_  
DECK HEADER DRAIN PLUG OPEN: YES NO CLOSED BY duan YES \_\_\_\_\_ NO \_\_\_\_\_  
VAPOR RECOVERY HEADER OPENED: YES NO CLOSED BY duan NEW CASSET YES \_\_\_\_\_ NO \_\_\_\_\_  
RUST SCALE: YES \_\_\_\_\_ NO WASHED OUT BUCKETED OUT YES \_\_\_\_\_ NO \_\_\_\_\_  
NUMBER OF CARCO TANKS 3  
CONDITION OF CARCO VALVES GOOD  
SLOP TANK STRIPPED: YES YES NO \_\_\_\_\_  
DRIP PANS STRIPPED: YES YES NO \_\_\_\_\_  
WEATHER: TEMP 80 RAIN \_\_\_\_\_ FOG \_\_\_\_\_ HUMIDITY \_\_\_\_\_ OVERCAST YES CLOUDY \_\_\_\_\_ CLEAR \_\_\_\_\_  
PIPELINE WASHED: NO PIPELINE BLOWN yes INSPECTED BY CALEB BRET  
BOW RAKE CHECKED: YES NO STERN RAKE: YES NO  
VOIDS: YES NO SAFETY EQUIPMENT USED: \_\_\_\_\_  
SUMMARY: yes

NOTICE

All barges cleaned for BMT will be inspected by Caleb Brett. The inspector will have paperwork for the Harcourts firm on in charge to sign. The company will put the copies in the document mail box. One copy will stay in the mailbox, and the captain of the tugboat that is picking up the barge will not be called until inspection is completed and documentation is in the mailbox. If any problems, BMT Logistics representative must be contacted.

Inspected 4-21-1997 1900-  
Inspector By Charlie Bennett - Caleb Brett 1920

NO BARGE BARGE THAT HAS BEEN CLEANED WILL BE RELEASED UNTIL CALED BRET INSPECTION IS COMPLETED. CALED BRET WILL BE GIVEN A COPY OF THIS REPORT.

000317





# Intertek Testing Services

Caleb Brett

## VISUAL TANK INSPECTION REPORT

OUR REFERENCE

000319

VESSEL ETT-112	CUSTOMER PRODUCT DESCRIPTION 99.90% Cyclohexane	PORT / TERMINAL HERCULES - FREEPORT, TX	DATE 4-21-97
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Tank Number	1,2,3 center						
Tank Coating	Mild Steel						
Last Cargo	Cyclo						
Second Last Cargo	Cyclo						
Third Last Cargo	Cyclo						
Time/Date Inspected	4/21/97 @ 11:10						
Visual Cleanliness: <u>Accepted</u> / Rejected*							
Reason for Rejection							

Method said to have been used to clean tanks:	TK# 1,2,3C	ALL TANKS AND LINES were Stripped + Blown Dry
	TK#	
	TK#	
	TK#	
	TK#	
	TK#	
	TK#	

Information regarding previous cargoes, tank coating and cleaning method was obtained from vessel personnel and cannot be guaranteed as accurate by Caleb Brett and no liability can be assumed for errors resulting from improper information supplied. This report, of necessity, is based on such information.

- The cleanliness of inspected tank(s) is/are based on visual inspection of tank surfaces and line system at accessible areas only. This document does not cover the cleanliness of tank surfaces and line system at inaccessible spots and/or possible release of components of previous cargoes during loading, discharge or transport of the cargo in question, for which the vessel is fully responsible. Suitability of tank coating for intended cargo must be guaranteed by vessel's owner or by suppliers of the coating.

*Charlie Benard*

FOR CALEB BRETT

# HERCULES OFFSHORE CO.

MARINE REPAIR

MARINE OPERATIONS FACILITY

INVOICE NO. \_\_\_\_\_

ORDER No. 4-5488

CUSTOMER P.O. \_\_\_\_\_

DATE	ORDER DATED	4-28-97	ETA	0800
	ARRIVAL			
	COMPLETION DATE			
	DEPARTURE DATE			
<input type="checkbox"/> WITH <input checked="" type="checkbox"/> BARGE				
NAME		ETT 112		
LOG		ON WAY		
FOREMAN		DUARTE		
LAST PRODUCT				
GAS FREEING		YES <input type="checkbox"/>	CERTIFICATE REQUIRED	YES <input type="checkbox"/>
		NO <input type="checkbox"/>		NO <input type="checkbox"/>
HAUL OUT FOR INSPECTION AND REPAIR		YES <input type="checkbox"/>	NO <input type="checkbox"/>	
ON WAYS		DATE: _____		
ON WAYS		DATE: _____		

CUSTOMER	NAME	EAST		
	BILLING ADDRESS			
	CITY AND STATE	FREEPORT, TX		
	PHONE NUMBER			
BARGE TO BE REPAIRED BY		SUZETTE		
BARGE TO BE REPAIRED BY				
STOCK MATERIAL		<input type="checkbox"/> YES <input type="checkbox"/> NO		
IF YES, COMPLETE STOCK MATERIAL TRANSFER TICKET				
OUTSIDE SERVICES		<input type="checkbox"/> YES <input type="checkbox"/> NO		
IF YES, LIST				

## ITEM NUMBERS

- 1 DEBALLAST ~~and release to brown~~ and release to brown water IV. 4-21-97 3:30 PM
- 2 Strip & blow & gas free (chemist)
- 3 Weld fracture on bow rake.
- 4 Weld "dog" on wing tank #4.
- 5 Weld (1") fracture on stem box port side.
- 6
- 7
- 8
- 9
- 10

THIS SHALL SERVE AS YOUR AUTHORIZATION TO PROCEED WITH THE ABOVE.

Signed: Charles Duarte

Date: 4-21-97

000320



BASF 04/27/97

- 4-5497  
ETT 112

BASF  
4-27-96

000321

# DAILY TIME LOG

DATE:	4-28-97	CUSTOMER:	BASF
JOB NO:	4-5497	BARGE:	ETT 112

START TIME 7:00 AM STOP TIME \_\_\_\_\_

NAME	HOURS	TOTAL HOURS	NAME	HOURS	TOTAL HOURS
D. Guel	<del>8</del>	8			

**MATERIAL LIST:**

Cutting Dig, Cherry Picker  
1/2" x 6' x 7'6" plate

**JOB DESCRIPTION:**

Crop damaged knuckle, Angle Iron and Stiffeners

# DAILY TIME LOG

DATE:	4 - 29 - 97	CUSTOMER:	BASF
JOB NO:	4-5497	BARGE:	ETT-112

START TIME \_\_\_\_\_ STOP TIME \_\_\_\_\_

NAME	HOURS	TOTAL HOURS	NAME	HOURS	TOTAL HOURS
SAM PETTIT	2	2			

## MATERIAL LIST:

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## JOB DESCRIPTION:

CHECK BARGE FOR SAFE ENTRY AND HOT WORK

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000323

# DAILY TIME LOG

DATE:	4-30-97	CUSTOMER:	BASF
JOB NO:	4-5497	BARGE:	ETT-112

START TIME \_\_\_\_\_ STOP TIME \_\_\_\_\_

NAME	HOURS	TOTAL HOURS	NAME	HOURS	TOTAL HOURS
D. GUEL	<del>8</del>	8			
L. NAJERA	<del>2 8</del>	10			
BEN MOLINA	<del>1 1/2 8</del>	9 1/2			
PEARO ARAÑA	<del>2 8</del>	10			
SAM PETTIT	<del>2</del>	2			

## MATERIAL LIST:

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## JOB DESCRIPTION:

FIT AND WELD

CHECK BARGE FOR ENTRY AND HOT WORK

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000324

# DAILY TIME LOG

DATE:	5-1-97 <sup>2</sup>	CUSTOMER:	GASF
JOB NO:	4-5497	BARGE:	ETT-112

START TIME \_\_\_\_\_ STOP TIME \_\_\_\_\_

NAME	HOURS	TOTAL HOURS	NAME	HOURS	TOTAL HOURS
L. NAJERA	2.5	2.5			
T. SILVA	6	6			
D. GUEL	2.5	2.5			
R. NAJERA	6	6			
R. S. Pettit	2	2			

## MATERIAL LIST:

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## JOB DESCRIPTION:

FINISH WELDING

AIR TEST BOW RAKE

Check barge for entry and Hot Work

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# DAILY TIME LOG

DATE:	5-2-97	CUSTOMER:	BASE
JOB NO:	4-5497	BARGE:	ETT-112

START TIME \_\_\_\_\_ STOP TIME \_\_\_\_\_

NAME	HOURS	TOTAL HOURS	NAME	HOURS	TOTAL HOURS
R.S. PETTIT	2	2			
D. GUEL	1	1			
L. NAJERA	1	1			
D. HERNANDEZ	1	1			

## MATERIAL LIST:

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## JOB DESCRIPTION:

CHECK BARGE FOR ENTRY AND HOT WORK  
INSPECT BARGE WITH COAST GUARD

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000326

JOB NO. 5495 ETA 1-27-97 8:00  
 BARGE NO. ETT-112 DATE/TIME ARRIVAL 1-27-97 8:00  
 CUSTOMER BASF DATE/TIME STARTED 1-27-97 8:30  
 PRODUCT N-BUTANOL CYCLOHEXANE DATE/TIME COMPLETED 1-27-97 6:00  
 DISPOSAL AMOUNT 250 AMOUNT STRIPPED 250  
 CLEANING INSTRUCTION BY: Robert Peters BY: \_\_\_\_\_  
 COMPLETION SCHEDULE BY: \_\_\_\_\_  
 OVERTIME AUTHORIZED BY: Robert Peters  
 BARGE INSPECTED BY: Duarte DATE/TIME: \_\_\_\_\_  
 BARGE RELEASED TO: \_\_\_\_\_ DATE/TIME: \_\_\_\_\_  
 DEEPWELL OPENED: YES N/A NO \_\_\_\_\_ CLOSED BY \_\_\_\_\_ NEW GASKET YES \_\_\_\_\_ NO \_\_\_\_\_  
 BELOW DECK CARCO PIPELINE: BLIND OPEN YES ✓ NO \_\_\_\_\_ CLOSED BY C452 NEW GASKET YES \_\_\_\_\_ NO \_\_\_\_\_  
 DECK CHECK VALVE OPENED: YES N/A NO \_\_\_\_\_ CLOSED BY \_\_\_\_\_ NEW GASKET YES \_\_\_\_\_ NO \_\_\_\_\_  
 DECK HEADER BLINDS OPEN: YES ✓ NO \_\_\_\_\_ CLOSED BY C452 NEW GASKET YES \_\_\_\_\_ NO \_\_\_\_\_  
 DECK HEADER DRAIN PLUG OPEN: YES ✓ NO \_\_\_\_\_ CLOSED BY C452  
 VAPOR RECOVERY HEADER OPENED: YES ✓ NO \_\_\_\_\_ CLOSED BY C452 NEW GASKET YES \_\_\_\_\_ NO \_\_\_\_\_  
 RUST SCALE: YES \_\_\_\_\_ NO ✓ WASHED OUT \_\_\_\_\_ BUCKETED OUT \_\_\_\_\_  
 NUMBER OF CARCO TANKS 3  
 NUMBER OF CARCO VALVES 600  
 DECK STRIPPED: YES N/A NO \_\_\_\_\_ PIPE PRESSURE TEST DATE: \_\_\_\_\_  
 DRIP PANS STRIPPED: YES ✓ NO \_\_\_\_\_  
 WEATHER: TEMP 68 RAIN ✓ FOG \_\_\_\_\_ HUMIDITY ✓ OVERCAST \_\_\_\_\_ CLOUDY \_\_\_\_\_ CLEAR \_\_\_\_\_  
 PIPELINE WASHED: NO PIPELINE BLOWN YES PIPELINE SUMPS INSPECTED ✓  
 BOW RAKE CHECKED: YES ✓ NO \_\_\_\_\_ STERN RAKE: YES ✓ NO \_\_\_\_\_  
 VOIDS: YES ✓ NO \_\_\_\_\_ SAFETY EQUIPMENT USED: \_\_\_\_\_

#### NOTICE

All barges cleaned for BASF will be inspected by Caleb Brett. The inspector will have paperwork for the Hercules foreman in charge to sign. The foreman will put two copies in the document mail box. One copy will stay in the mailbox, and the captain of the tugboat that is picking up the barge will not be called until inspection is completed and documentation is in the mailbox. If any problems, BASF logistics representative must be contacted.

Inspected 5 112/97 1720 1740  
 Time In Time Out  
 Inspected By Charles Bennett - Caleb Brett

NO BASF BARGE THAT HAS BEEN CLEANED WILL BE RELEASED UNTIL CALEB BRETT HAS SIGNED THE RELEASE PAPERS. CALEB BRETT WILL BE GIVEN A COPY OF THIS FORM.

000327





Intertek Testing Services

Caleb Brett

VISUAL TANK INSPECTION REPORT

OUR REFERENCE

000328

VESSEL	CUSTOMER PRODUCT DESCRIPTION	PORT / TERMINAL	DATE
ETT-112	99.9% Cyclohexane	Hercules-FREEDPORT, TX	5-2-97

Tank Number	123 center						
Tank Coating	mid Steel						
Last Cargo	cyclo						
Second Last Cargo	cyclo						
Third Last Cargo	Cyclo						
Time/Date Inspected	5-2-97 0735						
Visual Cleanliness <u>Accepted/Rejected</u> *							
Reason for Rejection							

Method said to have been used to clean tanks:	TK#123	ALL TANK AND LINES WERE STRIPPED AND BLOWN DRY.
	TK#	
	TK#	
	TK#	
	TK#	
	TK#	
	TK#	

Information regarding previous cargoes, tank coating and cleaning method was obtained from vessel personnel and cannot be guaranteed as accurate by Caleb Brett and no liability can be assumed for errors resulting from improper information supplied. This report, of necessity, is based on such information.

- The cleanliness of inspected tank(s) is/are based on visual inspection of tank surfaces and line system at accessible areas only. This document does not cover the cleanliness of tank surfaces and line system at inaccessible spots and/or possible release of components of previous cargoes during loading, discharge or transport of the cargo in question, for which the vessel is fully responsible. Suitability of tank coating for intended cargo must be guaranteed by vessel's owner or by suppliers of the coating.

# Intertek Testing Services

## Caleb Brett

## TIME LOG

## YOUR REFERENCE

## OUR REFERENCE

VESSEL ETT-112	CUSTOMER PRODUCT DESCRIPTION 99.9% Cyclohexane	PORT/TERMINAL Hercules-Facility	DATE 5-2-97
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[illegible]

000329

For Vessel

FOR CALEB BRETT

**BASF WEEKEND BARGE SCHEDULE****DATE 18-Apr-97 - 11:38 AM****ETT 110:** Empty (Clean) at W/F. Hold until further notice.

**ETT 112:** Loaded (Koch 3) at W/F. Spot at dock after the ETT 114 has completed discharging (CPLX). Barge will need to be gauged and sampled. Barge will discharge 0730 Saturday. Barge will be ballasted while being discharged. Take to W/F after discharge is complete, as soon as tide allows. Brown Water IV will take to Hercules for deballasting Monday 0800.

**\* Priority 1 / # Priority 3**

**ETT 113:** Empty (Cyclohexane) enroute to Corpus to load (Koch 4), via Brown Water VI. Hold at W/F upon return to Freeport.

**ETT 114:** Partially loaded (1,503,532 lbs. of CPLX) at B-1 Wall. Spot at West (Hexane) End of dock at 1730 today. Barge will need to be gauged and sampled. Will complete discharging 1800. Barge will be ballasted while being discharged. Take to W/F after discharge is complete, as soon as tide allows. Brown Water IV will take to Hercules for deballasting, then to Stantran to load (2.8 M lbs. of CPLX). Spot at dock after the ETT 115 has completed discharging. Barge will need to be gauged and sampled. Barge will discharge 0730 Monday.

**# Priority 1 / \* Priority 4**

**ETT 115:** Loaded (Citgo 2) enroute to Freeport, via Brown Canal. ETA Freeport 1600 Saturday. Spot at dock after the ETT 112 has completed discharging. Barge will need to be gauged and sampled. Barge will discharge 1200 Sunday. Barge will be ballasted while being discharged. Take to W/F after discharge is complete, as soon as tide allows. Brown Canal will take to Hercules 0800 Monday for deballasting, then to Phillips to load (Phillips 5).

**\* Priority 3 / # Priority 5**

**CCI 75:** Discharging (All Oleum) at dock. Take to W/F after discharge is complete. Tug Javalina is standing by.

**# Priority 2**

**SCC 106:** Loaded (All Acid) at W/F. Spot at dock after the SCC 104 has completed discharging. Barge will discharge 0730 Monday.

**\* Priority 5**

**SCC 80:** Loading (All Oleum) at Rhone-Poulenc.

**SCC 108:** Empty (All Acid) at W/F. Hold for Tug Javalina.

**SCC 104:** Loaded (All Oleum) at W/F. Spot at dock after the CCI 75 has completed discharging. Barge will discharge 0730 Sunday. Take to W/F after discharge is complete. Hold for Tug Javalina.

**\* Priority 2 / # Priority 4****\* - Priority to dock****# - Priority out to skimmer gate**

**# - All priority barges taken to dock should go to skimmer gate as soon as possible after work is complete.**

For any further information please contact:

Robert G. Peters Office: 238-6161

Suzette Johnson Office: 238-8409  
502 Copper Road, Freeport, Texas 77541 (409) 238-6100

000330

**BASF Corporation**

**BASF**

**BASF BARGE SCHEDULE**

**DATE 21-Apr-97 - 11:26 AM**

**ETT 110:** Empty (Clean) at W/F. Brown Water VI will take to Corpus to load (Citgo 3) on 04/24/97.

**ETT 112:** Empty (Cyclohexane) at Hercules being repaired and deballasted. Brown Canal will take to Corpus to load (Koch 5).

**ETT 113:** Loaded (Koch 4) enroute to Freeport, via Brown Water VI. ETA 2100. Spot at dock upon arrival.

Barge will need to be gauged and sampled. Barge will discharge 0730 Tuesday.

**\* Priority 1**

**ETT 114:** Partially loaded (1,503,532 lbs. of CPLX) at dock. Move to B-1 Wall and hold until further notice.

**ETT 115:** Empty (Cyclohexane) at Hercules being deballasted. Brown Canal will take to Phillips to load (Phillips 5) at 1300 today. Hold at W/F.

**CCI 75:** Empty (All Oleum) enroute to Rhone-Poulenc.

**SCC 106:** Discharging (All Acid) at dock. Take to W/F after discharge is complete. Hold for Tug Javalina.

**# Priority 1**

**SCC 80:** Loaded (All Oleum) at W/F. Spot at dock after the SCC 106 has completed discharging. Barge will discharge 0730 Tuesday.

**\* Priority 2**

**SCC 108:** Loaded (All Acid) at W/F. Hold until further notice.

**SCC 104:** Empty (All Oleum) enroute to Rhone-Poulenc.

**\* - Priority to dock**

**# - Priority out to skimmer gate**

**# - All priority barges taken to dock should go to skimmer gate as soon as possible after work is complete.**

For any further information please contact:

Robert G. Peters Office: 238-6161

Suzette Johnson Office: 238-8409

**000331**

**BASF BARGE SCHEDULE****DATE 23-Apr-97 - 11:31 AM**

**ETT 110:** Empty (Clean) at Rockport. Brown Water VI is having minor maintenance repairs. Will go to Corpus 04/25/97 to load (Citgo 3).

**ETT 112:** Empty (Cyclohexane) at Rockport for Crew change, via Brown Canal. Will go to Corpus to load (Koch 5) after crew change and return to Freeport.

**ETT 113:** Empty (Cyclohexane) at W/F. Brown Water IV will take to Hercules for a Strip and Blow Dry, then return to W/F. Hold at W/F until further notice.

**ETT 114:** Loaded (2.8 M lbs. of CPLX) at B-1 Wall. Hold until further notice.

**ETT 115:** Discharging (Phillips 5) at dock. Take to W/F after discharge is complete on Low tide 2200 tonight. **# Priority 1**

**CCI 75:** Loaded (All Oleum) at Rhone-Poulenc.

**SCC 106:** Empty (All Acid) at W/F. Hold for Tug Javalina.

**SCC 80:** Empty (All Oleum) at W/F. Hold for Tug Javalina.

**SCC 108:** Loaded (All Acid) at W/F. Spot at dock today. Barge will discharge 0730 Thursday. **\* Priority 1**

**SCC 104:** Loaded (All Oleum) at Rhone-Poulenc.

**\* - Priority to dock**

**# - Priority out to skimmer gate**

**# - All priority barges taken to dock should go to skimmer gate as soon as possible after work is complete.**

For any further information please contact:

Robert G. Peters Office: 238-6161

Suzette Johnson Office: 238-8409

000332

**BASF WEEKEND BARGE SCHEDULE****DATE 25-Apr-97 - 04:21 PM**

**ETT 110:** Loaded (Citgo 3) enroute to Freeport, via Brown Water VI. Spot at dock after the ETT 113 has completed loading (Anolon). Barge will need to be gauged and sampled. Barge will discharge 0730 Sunday. Take to W/F on Low tide 0100 Monday. Brown Water VI will take to Corpus to load (Citgo 4) on 04/29/97.

**\* Priority 3 / # Priority 5**

**ETT 112:** Loaded (Koch 5) enroute. Spot at dock upon arrival. Crew will be standing by to discharge. Take to W/F after discharge is complete. Brown Water VI will take to Corpus to load (Koch 6) on 04/28/97 **# Priority 1**

**ETT 113:** Empty at W/F. Spot on B-1 Wall as soon as low tide will permit. Spot at dock after the ETT 112 has completed discharge. Barge will need to be gauged and sampled. Will load (2.2 M lbs. of Anolon) 0730 Saturday. Take to W/F as soon as discharge is complete and the tide permits. Brown Water IV will take to Stantran for discharge at 0800 Sunday. Hold at W/F upon return to Freeport.

**\* Priority 1 / # Priority 3**

**ETT 114:** Loaded (2.8 M lbs. of CPLX) at B-1 Wall. Hold until further notice.

**ETT 115:** Empty at W/F. Brown Canal to load at Phillips (Phillips 6). Spot at dock after the ETT 110 has completed discharge Sunday. Barge will need to be gauged and sampled. Will discharge 0730 Monday.

**\* Priority 4**

**CCI 75:** Discharging (All Oleum) at dock. Take to W/F after discharge is complete. Hold for Tug Javalina.

**# Priority 2**

**SCC 106:** Loading (All Acid) at Rhone-Poulenc. Upon return to Freeport, spot at dock after the SCC 104 has completed discharging. Barge will discharge 0730 Monday.

**\* Priority 5**

**SCC 80:** Loading (All Oleum) at Rhone-Poulenc. Hold at W/F upon return to Freeport.

**SCC 108:** Empty (All Acid) at W/F. Hold for Tug Javalina.

**SCC 104:** Loaded (All Oleum) at W/F. Spot at dock after CCI 75 has completed discharging. Barge will discharge 0730 Saturday. Take to W/F after discharge is complete. Hold for Tug Javalina.

**\* Priority 2 / # Priority 4**

**\* - Priority to dock**

**# - Priority out to skimmer gate**

**# - All priority barges taken to dock should go to skimmer gate as soon as possible after work is complete.**

For any further information please contact:

Robert G. Peters Office: 238-6161

Suzette Johnson Office: 238-8409

000333

## BASF BARGE SCHEDULE

DATE 28-Apr-97 - 11:36 AM

ETT 110: Empty (Cyclohexane) enroute to Corpus to load (Koch 6), via Brown Canal. ETA Corpus 0600 Tuesday. Barge dock will not be available until 1600 Tuesday. Barge will load at this time and return to Freeport.

ETT 112: Empty (Cyclohexane) at Hercules being repaired.

ETT 113: Empty (Anolon) enroute to Freeport, via Brown Water IV. Barge will go to Hercules for Hot Chemical Wash.

ETT 114: Loaded (2.8 M lbs. of CPLX) at B-1 Wall. Spot at dock after the ETT 115 has completed discharging. Barge will need to be gauged and sampled. Will partially discharge 0730 Tuesday. \* Priority 1

ETT 115: Discharging (Phillips 6) at dock. Take to W/F after discharge is complete on Low tide 0200 Tuesday. Brown Water VI will take to Phillips to load (Phillips 4). # Priority 1

CCI 75: Empty (All Oleum) at W/F. Hold for Tug Javalina.

SCC 106: Discharging (All Acid) at dock. Take to W/F after discharge is complete. Hold for Tug Javalina. # Priority 2

SCC 80: Loaded (All Oleum) at W/F. Spot at dock after the SCC 106 has completed discharging. Barge will discharge 0730 Tuesday. \* Priority 2

SCC 108: Empty (All Acid) at W/F. Hold for Tug Javalina.

SCC 104: Empty (All Oleum) at W/F. Hold for Tug Javalina.

\* - Priority to dock

# - Priority out to skimmer gate

# - All priority barges taken to dock should go to skimmer gate as soon as possible after work is complete.

For any further information please contact:

Robert G. Peters Office: 238-6161

Suzette Johnson Office: 238-8409

000334

# ERCULES

FINE SERVICES CORPORATION

Drawer O • Freeport, Texas 77541

VOICE NO. : 3853

DATE : 4-21-97

Job No. : 4-5488

Location : Freeport, TX

BASF  
602 Copper Road  
Freeport, Texas 77541

PLEASE REMIT PAYMENTS TO:  
11011 RICHMOND  
SUITE 500  
HOUSTON, TX. 77042

Terms : Net 30

Services to the ETT 112 as follows:

Strip and blow dry. Deballast wing tank #4 and bow rake.  
Weld two fractures, one on stern box and one on bow rake.  
Weld dog back on wing tank hatch cover.

LABOR:	Leadman	5 Hrs.	@	35.00 (ST)	\$ 175.00
	Leadman	3.5 Hrs.	@	49.50 (OT)	\$ 173.25
	Journeyman	15 Hrs.	@	32.50 (ST)	\$ 487.50
	Journeyman	10.5 Hrs.	@	45.75 (OT)	\$ 480.38
STOCK:	\$49.00	Plus 25%	@	12.25	\$ 61.25
CHEMIST:	\$300.00	Plus 25%	@	75.00	\$ 375.00
EQUIPMENT:	Compressor	8 Hrs.	@	48.00/Hr.	\$ 384.00
	Air Movers	32 Hrs.	@	5.00/Hr.	\$ 160.00
	Vacuum	4 Hrs.	@	30.00/Hr.	\$ 120.00
	Hand Hose	3 Hrs.	@	12.00/Hr.	\$ 36.00
	2" Strip Pmp	8 Hrs.	@	15.00/Hr.	\$ 120.00
	3" Gas Pump	12 Hrs.	@	18.00/Hr.	\$ 216.00
	Weld Machine	2 Hrs.	@	15.00/Hr.	\$ 30.00
Cutting Rig	1 Hr.	@	8.00/Hr.	\$ 8.00	

TOTAL AMOUNT DUE \$2,826.38

000335

PHONE: (409) 233-6371

Strength through Experience, Equipment, Know-How



# BARGE CLEANING REPORT

JOB NO. 4-5488  
 BARGE NO. ETT-112  
 COUNTRY BA.S.E.  
 PRODUCT NORMAL BUTANOL

ETA 0800  
 DATE/TIME ARRIVAL 4-21-97/0800  
 DATE/TIME STARTED 4-21-97/0800  
 DATE/TIME COMPLETE 4-21-97/1700

AMOUNT STRIPPED \_\_\_\_\_

CLEANING INSTRUCTION BY: SUZETTE  
 COMPLETION SCHEDULE BY: SUZETTE  
 OVERTIME AUTHORIZED BY: \_\_\_\_\_  
 BARGE INSPECTED BY: CHARLIE DATE/TIME: 4-21-97/19-06  
 BARGE RELEASED TO: BROWN WATER TV DATE/TIME: \_\_\_\_\_  
 DECKWELL OPENED: YES NO CLOSED BY \_\_\_\_\_ NEW CASSET YES \_\_\_\_\_ NO \_\_\_\_\_  
 BELOW DECK CARCO PIPELINE: BLIND OPEN YES NO CLOSED BY \_\_\_\_\_ NEW CASSET \_\_\_\_\_  
 DECK CHECK VALVE OPENED: YES NO CLOSED BY LENN NEW CASSET YES \_\_\_\_\_ NO \_\_\_\_\_  
 DECK HEADER BLINDS OPEN: yes INSPECTED BY CALEB BRETT ✓ YES \_\_\_\_\_ NO \_\_\_\_\_  
 DECK HEADER DRAIN PLUG OPEN: YES NO CLOSED BY LENN  
 VAPOR RECOVERY HEADER OPENED: YES NO CLOSED BY LENN NEW CASSET \_\_\_\_\_ YES \_\_\_\_\_ NO \_\_\_\_\_  
 RUST SCALE: YES \_\_\_\_\_ NO ✓ WASHED OUT \_\_\_\_\_ BUCKETED OUT \_\_\_\_\_  
 NUMBER OF CARCO TANKS 3  
 CONDITION OF CARCO VALVES GOOD  
 SLOP TANK STRIPPED: YES NO  
 DRIP PANS STRIPPED: YES NO  
 WEATHER: TEMP 80° RAIN \_\_\_\_\_ FOG \_\_\_\_\_ HUMIDITY \_\_\_\_\_ OVERCAST ✓ CLOUDY \_\_\_\_\_ CLEAR \_\_\_\_\_  
 PIPELINE WASHED: NO PIPELINE BLOWN yes INSPECTED BY CALEB BRETT  
 BOW PAIR CHECKED: YES NO STERN PAIR: YES NO  
 VOIDS: YES NO SAFETY EQUIPMENT USED: \_\_\_\_\_  
 SUMMER TIME yes

## NOTICE

All barges cleaned for BASF will be inspected by Caleb Brett. The inspector will have paperwork for the Hercules foreman in charge to sign. The foreman will put two copies in the document mail box. One copy will stay in the mailbox, and the captain of the tugboat that is picking up the barge will not be called until inspection is completed and documentation is in the mailbox. If any problems, BASF logistics representative must be contacted.

Inspected 4/21/97 1900 1920  
 Inspector By Charlie Bennett - Caleb Brett

000336

NO BASF BARGE THAT HAS BEEN CLEANED WILL BE RELEASED UNTIL CALEB BRETT HAS SIGNED  
 A RELEASE FORM. CALEB BRETT WILL BE GIVEN A COPY OF THIS FORM.

# HAZARDOUS COMMUNICATION STANDARD

OSHA 1910.1200

## EMPLOYER HAZARDOUS MATERIALS TRAINING PROGRAM

Date 11-21-87

Supervisor A. Bruce Smith

Plant HERCULES

Client Safety                     

Area AS FREE DOCK

The following listed materials are considered to be hazardous to the employees working in this area:

<u>N-BUTANOL</u>	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

The employees assigned to work in this area have been informed of the hazardous materials in this area, the hazards they present to the workers, the location of hazards listed, the protective equipment that has been provided and where it is located, and procedures to be followed in case of an accidental exposure. I have received the training listed above and will so designate by signing this form.

NAME	BADGE	NAME	BADGE
<u>Sharon Auer</u>	_____	_____	_____
<u>Lane Carr</u>	_____	_____	_____
<u>Lane Carr</u>	_____	_____	_____
<u>Lane Carr</u>	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

000337

JOB NO. 5494 ETA 4-23-97  
 BARGE NO. E112113 DATE/TIME ARRIVAL 4-23-97 1:00  
 CUSTOMER BASF DATE/TIME STARTED 4-23-97 1:00  
 PRODUCT N. BUTANOL DATE/TIME COMPLETED 4-23-97 1:00  
 DISPOSAL AMOUNT \_\_\_\_\_ AMOUNT STRIPPED 200  
 CLEANING INSTRUCTION BY: Robert Peters BY: \_\_\_\_\_  
 COMPLETION SCHEDULE BY: \_\_\_\_\_  
 OVERTIME AUTHORIZED BY: Robert Peters  
 BARGE INSPECTED BY: Caleb Brett DATE/TIME: 6-30  
 BARGE RELEASED TO: Brown Water IV DATE/TIME: \_\_\_\_\_  
 DEEPWELL OPENED: YES N/A NO \_\_\_\_\_ CLOSED BY \_\_\_\_\_ NEW GASKET YES \_\_\_\_\_ NO \_\_\_\_\_  
 BELOW DECK CARCO PIPELINE: BLIND OPEN YES ✓ NO \_\_\_\_\_ CLOSED BY CASA NEW GASKET YES \_\_\_\_\_ NO \_\_\_\_\_  
 DECK CHECK VALVE OPENED: YES N/A NO \_\_\_\_\_ CLOSED BY \_\_\_\_\_ NEW GASKET YES \_\_\_\_\_ NO \_\_\_\_\_  
 DECK HEADER BLINDS OPEN: YES ✓ NO \_\_\_\_\_ CLOSED BY CASA NEW GASKET YES \_\_\_\_\_ NO \_\_\_\_\_  
 DECK HEADER DRAIN PLUG OPEN: YES ✓ NO \_\_\_\_\_ CLOSED BY CASA  
 VAPOR RECOVERY HEADER OPENED: YES ✓ NO \_\_\_\_\_ CLOSED BY CASA NEW GASKET YES \_\_\_\_\_ NO \_\_\_\_\_  
 RUST SCALE: YES ✓ NO \_\_\_\_\_ WASHED OUT \_\_\_\_\_ BUCKETED OUT \_\_\_\_\_  
 NUMBER OF CARCO TANKS 3  
 CONDITION OF DRAIN VALVES Good  
 DECK STRIPPED: YES N/A NO \_\_\_\_\_ PIPE PRESSURE TEST DATE: \_\_\_\_\_  
 DRIP PANS STRIPPED: YES ✓ NO \_\_\_\_\_  
 WEATHER: TEMP 80 RAIN \_\_\_\_\_ FOG \_\_\_\_\_ HUMIDITY \_\_\_\_\_ OVERCAST \_\_\_\_\_ CLOUDY \_\_\_\_\_ CLEAR \_\_\_\_\_  
 PIPELINE WASHED: NO PIPELINE BLOWN YES PIPELINE SUMPS INSPECTED \_\_\_\_\_  
 BOW RAKE CHECKED: YES ✓ NO \_\_\_\_\_ STERN RAKE: YES ✓ NO \_\_\_\_\_  
 VOIDS: YES ✓ NO \_\_\_\_\_ SAFETY EQUIPMENT USED: \_\_\_\_\_

# NOTICE

All barges cleaned for BASF will be inspected by Caleb Brett. The inspector will have paperwork for the Hercules foreman in charge to sign. The form will put two copies in the document mail box. One copy will stay in the mailbox, and the captain of the tugboat that is picking up the barge will not be called until inspection is completed and documentation is in the mailbox. If any problems, BASF logistics representative must be contacted.

Inspected April 23, 1997

Time In 1830

Time Out 1960

Inspected By [Signature]

NO BASF BARGE THAT HAS BEEN CLEANED WILL BE RELEASED UNTIL CALEB BRETT HAS SIGNED THE RELEASE PAPERS. CALEB BRETT WILL BE GIVEN A COPY OF THIS FORM.

000338

# HAZARDOUS COMMUNICATION STANDARD

OSHA 1910.1200

## EMPLOYEE HAZARDOUS MATERIALS TRAINING PROGRAM

Date HC 23-97

Supervisor Alfredo Quintero

Plant HERCULES MARINE

Client Safety                     

Area LA S Free DOCK

The following listed materials are considered to be hazardous to the employees working in this area:

<u>N-BUTANOL</u>		

The employees assigned to work in this area have been informed of the hazardous materials in this area, the hazards they present to the workers, the location of hazards listed, the protective equipment that has been provided and where it is located, and procedures to be followed in case of an accidental exposure. I have received the training listed above and will so designate by signing this form.

NAME	BADGE	NAME	BADGE
<u>Alfredo Quintero</u>			
<u>Jose A. Casas</u>			

000339

# HERCULES OFFSHORE CO.

INVOICE NO. \_\_\_\_\_

## MARINE REPAIR

MARINE OPERATIONS FACILITY

CUSTOMER P.O. \_\_\_\_\_

ORDER No. 4-5494

<b>DATE</b>	ORDER WRITTEN	ETA
	4-23-97	11:30 a.m.
	ARRIVAL	
	COMPLETION DATE	
	DEPARTURE DATE	
M/V <input type="checkbox"/> BARGE <input checked="" type="checkbox"/>		
NAME <u>ETP 113</u>		
LOA		WIDTH
FOREMAN		
LAST PRODUCT		
GAS FREEING YES <input type="checkbox"/> NO <input type="checkbox"/> CERTIFICATE REQUIRED YES <input type="checkbox"/> NO <input type="checkbox"/>		
HAUL OUT FOR INSPECTION AND REPAIR YES <input type="checkbox"/> NO <input type="checkbox"/>		
ON WAYS		DATE: _____
ON WAYS		DATE: _____

<b>CUSTOMER</b>	NAME
	BASF
	BILLING ADDRESS
	CITY AND STATE
	FREEPORT, TX
	PHONE NUMBER
WORK AUTHORIZED BY	
SUZETTE	
STOCK MATERIAL <input type="checkbox"/> YES <input type="checkbox"/> NO	
IF YES, COMPLETE STOCK MATERIAL TRANS	
OUTSIDE SERVICES <input type="checkbox"/> YES <input type="checkbox"/> NO	
IF YES, LIST	

### ITEM NUMBERS

- 1 STRIP AND BLOW DRY. RELEASE TO BROWN WATER IV.
- 2
- 3
- 4
- 5
- 6
- 7
- 8

000340

ON WAYS

DATE:

ITEM NUMBERS

1 STRIP AND BLOW DRY. RELEASE TO BROWN WATER IV.

2

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THIS SHALL SERVE AS YOUR AUTHORIZATION TO PROCEED WITH THE ABOVE.

Signed:

*Charles D. [Signature]*

Date:

4-23-87

000341

BASF 03/06/97

— 3-5431  
EIT 112

BASF  
3-6-97

000342



# HERCULES

MARINE SERVICES CORPORATION

P. O. Drawer O • Freeport, Texas 77541

INVOICE NO. : 3797

DATE : March 6, 1997

Job No. : 3-5431

Location : Freeport, TX

TO: BASF  
602 Copper Road  
Freeport, Texas 77541

PLEASE REMIT PAYMENTS TO:  
11011 RICHMOND  
SUITE 500  
HOUSTON, TX. 77042

Terms : Net 30

FOR: Service to the ETT 112 as follows:

Start loading truck (6) onto barge.  
Ballast wing tank #4 to level out barge for transport.  
Strip and blow dry one pump out, wing tank #1,2,3,4.

LABOR:	Leadman	12 Hrs.	@	35.00 (ST)	\$	420.00
	Leadman	4 Hrs.	@	49.50 (OT)	\$	198.00
	Journeyman	23.5 Hrs.	@	32.50 (ST)	\$	763.75
	Journeyman	4 Hrs.	@	45.75 (OT)	\$	183.00
STOCK:	\$45.00	Plus 25%	@	11.25	\$	56.25
EQUIPMENT:	Compressor	5 Hrs.	@	48.00/Hr.	\$	240.00
	Air Movers	20 Hrs.	@	5.00/Hr.	\$	100.00
	Vacuum	3 Hrs.	@	30.00/Hr.	\$	90.00
	Hand Hose	3 Hrs.	@	12.00/Hr.	\$	36.00
	2" Strip Pump	3 Hrs.	@	15.00/Hr.	\$	45.00

TOTAL AMOUNT DUE \$ 2,132.00

000343

PHONE: (409) 233-6371

# DAILY TIME LOG

DATE:	3-6-97	CUSTOMER:	BASF
JOB NO:	5431	BARGE:	ETT-112

START TIME 9:00 AM

STOP TIME 2:30 PM

NAME	HOURS	TOTAL HOURS	NAME	HOURS	TOTAL HOURS
Chandler	5	5			
Carr	5	5			
Carr	5	5			
Rivera	5	5			
Quintan	5	5			

## MATERIAL LIST:

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## JOB DESCRIPTION:

Strip & Blow Dry / Pump out w/ #1,2,3,4

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25 hrs

000344

# DAILY TIME LOG

DATE:	3-7-97	CUSTOMER:	BASF
JOB NO:	5431	BARGE:	EXT-112

START TIME 1:00 P.M.

STOP TIME 8:30

NAME	HOURS	TOTAL HOURS	NAME	HOURS	TOTAL HOURS
Abraham	$3\frac{1}{2}$	7 $\frac{1}{2}$			
Rivers	$4\frac{1}{2}$	7 $\frac{1}{2}$			
Sam	$3\frac{1}{2}$	3 $\frac{1}{2}$			

MATERIAL LIST:

JOB DESCRIPTION:

Start loading Tank (6) onto Barge (Anson).  
Ballast w/ #4; to level out Barge for Transport.

18.5 hrs ✓

000345



MAINE SERVICES CORPORATION

Strength through environmental awareness and customer service

P.O. Drawer O  
Freeport, Texas 77541

Office (409) 213-0371  
Fax: (409) 213-0375

Date: B-6-97 Job No: \_\_\_\_\_ Barge/M/V: F+T2112

EQUIPMENT	HOURS
Compressor	5
Air Movers	20
Vacuum	3
Steam Rig	
Hand Hose	3
Boiler	
2" Sump Pump	3
3" Diesel Pump	
4" Electric Pump	
Crane	
Cherry Picker	
Forklift	
Tug Boat	
Welding Machine	
Cutting Rig	
Work Horse	
Haul Out	
Truck	
Hand Tools	

STOCK	NUMBER
Coveralls	2
Batteries	2
Respirator Filters	4
Gloves	
Flashlights	
Gaskets	
Goggles	
Boots	2
Raincoats	
White Rags	

000346

# JOB WORKSCOPE/BREAKDOWN

Job Number: 3-5421 Date: \_\_\_\_\_ Invoice Number: 3197

Customer: BasF Barge/MV: EH 112

Travel Time: \_\_\_\_\_ Hours @ \$17.50/Hr = \_\_\_\_\_ Mileage: \_\_\_\_\_ @ \$.25/Mi = \_\_\_\_\_

Foreman: \_\_\_\_\_ Hours (ST) @ \$ 38.00/Hour \_\_\_\_\_

\_\_\_\_\_ Hours (OT) @ \$ 53.25/Hour \_\_\_\_\_

Leadman: 12 Hours (ST) @ \$ 35.00/Hour 420.00

4 Hours (OT) @ \$ 49.50/Hour 198.00

Journeyman: 23 1/2 Hours (ST) @ \$ 32.50/Hour 763.75

4 Hours (OT) @ \$ 45.75/Hour 183.00

DISPOSAL: \_\_\_\_\_

Slop Oil \_\_\_\_\_ Gallons @ \$ 0.60/Gallon \_\_\_\_\_

Water \_\_\_\_\_ Gallons @ \$ 0.35/Gallon \_\_\_\_\_

WATER: \_\_\_\_\_ Gallons @ \$ 5.00/1,000 Gallons \_\_\_\_\_

MATERIAL: \_\_\_\_\_ Plus 25% \_\_\_\_\_ = \_\_\_\_\_

STOCK: 45.00 Plus 25% 11.25 = 56.25

CHEMIST: \_\_\_\_\_ Plus 25% \_\_\_\_\_ = \_\_\_\_\_

## EQUIPMENT:

Compressor 5 Hours @ \$ 48.00/Hour 240.00

Air Movers 20 Hours @ \$ 5.00/Hour 100.00

Vacuum 3 Hours @ \$ 30.00/Hour 90.00

Hand Hose 3 Hours @ \$ 12.00/Hour 36.00

2" Strip Pump 3 Hours @ \$ 15.00/Hour 45.00

3" Gas Pump \_\_\_\_\_ Hours @ \$ 18.00/Hour \_\_\_\_\_

Hand Tools \_\_\_\_\_ Each @ \$ 10.00 Each \_\_\_\_\_

Weld Machine \_\_\_\_\_ Hours @ \$ 15.00/Hour \_\_\_\_\_

Cutting Rig \_\_\_\_\_ Hours @ \$ 8.00/Hour \_\_\_\_\_

Haul Out \_\_\_\_\_ Each @ \$1,100.00 Each \_\_\_\_\_

Forklift \_\_\_\_\_ Hours @ \$ 30.00/Hour \_\_\_\_\_

Tugboat \_\_\_\_\_ Hours @ \$ 100.00/Hour \_\_\_\_\_

Steam Rig \_\_\_\_\_ Hours @ \$ 100.00/Hour \_\_\_\_\_

Cherry Picker \_\_\_\_\_ Hours @ \$ 70.00/Hour \_\_\_\_\_

Crane \_\_\_\_\_ Hours @ \$ 130.00/Hour \_\_\_\_\_

Butterworth \_\_\_\_\_ Hours @ \$ 10.00/Hour \_\_\_\_\_

4" Elec Pump \_\_\_\_\_ Hours @ \$ 15.00/Hour \_\_\_\_\_

Truck \_\_\_\_\_ Hours @ \$ 25.00/Hour \_\_\_\_\_

000347

## MATERIAL COST:

Coveralls 2 @ 3.50 Ea. = 7.00

Respirator 4 @ 6.00 Ea. = 24.00

Flashlights \_\_\_\_\_ @12.00 Ea. = \_\_\_\_\_

Goggles 2 @ 4.00 Ea. = 8.00

Raincoats \_\_\_\_\_ @40.00 Ea. = \_\_\_\_\_

Lantern \_\_\_\_\_ @13.00 Ea. = \_\_\_\_\_

Batteries 2 @ 3.00 Ea. = 6.00

Gloves/Rbr \_\_\_\_\_ @ 3.00 Ea. = \_\_\_\_\_

Gaskets \_\_\_\_\_ @ 6.00 Ea. = \_\_\_\_\_

Boots \_\_\_\_\_ @12.00 Pr. = \_\_\_\_\_

White Rags \_\_\_\_\_ @20.00/Box = \_\_\_\_\_

Cleaner \_\_\_\_\_ @75.00 = \_\_\_\_\_

\*TOTAL INVOICE: \* 2,132.00

DECLARATION OF INSPECTION  
PRIOR TO BULK CARGO TRANSFER

VESSELS ETT-112

TRANSFER FACILITY Hercules Marine Service

LOCATION Freeport

The following list refers to requirements set forth in detail in 33 CFR 156.150 and 46 CFR 35.35-30 (printed on reverse). The spaces adjacent to items are provided to indicate that the detailed requirement has been met.

	Deliverer	Receiver
1. Communication System/Language Fluency (156.120) (m) (p)	LC	LC
2. Warning Signs and red Warning Signals (35.35-30)	LC	LC
3. Vessels Moorings. (156.120 (d))	LC	LC
4. Transfer System Alignment (156.120 (d))	LC	LC
5. Transfer System: unused components (156.120 (e))	LC	LC
6. Transfer Systems; fixed piping (156.120 (f))	LC	LC
7. Overboard Discharges/See Suction Valves (156.120 (g))	LC	LC
8. Hoses or Loading Arms condition (156. (h) 156.170)	LC	LC
9. Hoses: length and support (156.120 (b) (c))	LC	LC
10. Connections (156.130)	LC	LC
11. Discharge Containment Systems (156.120 (1) (1))	LC	LC
12. Stoppers or Drains (156.120 (k))	LC	LC
13. Emergency Shutdown (156.120 (n))	LC	LC
14. Repair Work Authorization (35.35-30)	LC	LC
15. Boiler and Galley Fires Safety (35.35-30)	LC	LC
16. Fires or Open Flames (35.35-30)	LC	LC
17. Lighting (sunset to sunrise) (156.120 (T))	LC	LC
18. Safe Smoking Spaces (35.35-30)	LC	LC
19. Spill and Emergency Shutdown procedures (156.120 (q))	LC	LC
20. Sufficient Personnel (156.120 (o) (a))	LC	LC
21. Transfer Conferences (156.120 (q))	LC	LC
22. Agreement to begin transfer (156.120 (r))	LC	LC

I do certify that I have personally inspected this facility or vessel with reference to the requirements printed on reverse and that opposite each of them. I have indicated that the regulations have been complied with.

Person in Charge of Receiving Unit

Robert Green

Title

TKM

Time and Date

1245 3-7-97

Person in Charge of Delivering Unit

Lynn Caldwell

Title

Dockman

Time and Date

1245-3-7-97

# HERCULES OFFSHORE CO.

**MARINE REPAIR  
ORDER No.**

3-5431

MARINE OPERATIONS FACILITY

INVOICE NO. \_\_\_\_\_

CUSTOMER P.O. \_\_\_\_\_

<b>D A T E</b>	ORDER NUMBER	3-6-97	ETA	0800
	ARRIVAL			
	COMPLETION DATE			
	DEPARTURE DATE			
RTU <input type="checkbox"/> <del>BASE</del> <input checked="" type="checkbox"/> <b>ETT 112</b>				
NAME		ETT 112		
LOC		WATER		
PROGRAM				
LAST PRODUCT				
OAS FREEING		YES <input type="checkbox"/>	CERTIFICATE REQUIRED	YES <input type="checkbox"/>
		NO <input type="checkbox"/>		NO <input type="checkbox"/>
HAUL OUT FOR INSPECTION AND REPAIR		YES <input type="checkbox"/> NO <input type="checkbox"/>		
ON WAYS		DATE: _____		
ON WAYS		DATE: _____		

<b>C U S T O M E R</b>	NAME	BASF		
	BILLING ADDRESS			
	CITY AND STATE	FREEPORT, TX		
	PHONE NUMBER			
BILL AUTHORIZED BY		R. PETERS		
STOCK MATERIAL		<input type="checkbox"/> YES <input type="checkbox"/> NO		
IF YES, COMPLETE STOCK MATERIAL TRANSFER TICKET				
OUTSIDE SERVICES		<input type="checkbox"/> YES <input type="checkbox"/> NO		
IF YES, LIST				

## ITEM NUMBERS

1 STRIP AND BLOW DRY IN PREPARATION FOR LOADING ANOLON.

2

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THIS SHALL SERVE AS YOUR AUTHORIZATION TO PROCEED WITH THE ABOVE.

Signed: \_\_\_\_\_ Date: \_\_\_\_\_

000349

BASF 03/06/97



3-5431  
ETT 112

BASF  
3-6-97

000350

## MARINE REPAIR

MARINE OPERATIONS FACILITY

ORDER No. 3-5431

CUSTOMER P.O. \_\_\_\_\_

DATE	ORDER NUMBER	3-6-97	ETA	0800
	ARRIVAL			
	COMPLETION DATE			
	DEPARTURE DATE			
	W/T <input type="checkbox"/>	CASER <input checked="" type="checkbox"/>		
	NAME	ET 112		
	LOG			
	FOREMAN			
	LAST PRODUCT			
	GAS FREEING	YES <input type="checkbox"/> NO <input type="checkbox"/>	CERTIFICATE REQUIRED	YES <input type="checkbox"/> NO <input type="checkbox"/>
	HAUL OUT FOR INSPECTION AND REPAIR	YES <input type="checkbox"/> NO <input type="checkbox"/>		
	ON WAYS	DATE: _____		
	ON WAYS	DATE: _____		

CUSTOMER	NAME	BASF	
	BILLING ADDRESS		
	CITY AND STATE	FREEPORT, TX	
	PHONE NUMBER		
	DATE ADVISED BY	W/T ADVISED BY	
	R. PETERS		
	STOCK MATERIAL	<input type="checkbox"/> YES	<input type="checkbox"/> NO
	IF YES, COMPLETE STOCK MATERIAL TRANSFER TICKET		
	OUTSIDE SERVICES	<input type="checkbox"/> YES	<input type="checkbox"/> NO
	IF YES, LIST		

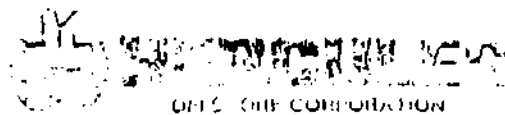
## ITEM NUMBERS

- 1 STRIP AND BLOW DRY IN PREPARATION FOR LOADING ANOLON.
- 2 *unload (6) six trucks off Anolon.*
- 3 *Ballast #4 wing tank to level out Barge.*
- 4
- 5
- 6
- 7
- 8
- 9
- 10

THIS SHALL SERVE AS YOUR AUTHORIZATION TO PROCEED WITH THE ABOVE.

Signed: *Charles Carter* Date: 3-6-97

000351



P.O. Drawer 9  
Freeport, Texas 77541

Office: (409) 233-6371  
Fax: (409) 233-6375

### FINAL CHECK LIST

DATE: 3-6-97

ARGE: Ett=112

NUMBER CHECKED	<u>2</u>	REPLACED CASKET	YES	NO
WASTE VALVE NUMBER CHECKED	<u>6</u>	REPLACED CASKET	YES	NO
PLUGS NUMBER CHECKED	<u>1</u>	REPLACED PLUG	YES	NO
CHECK VALVE NUMBER CHECKED	<u>N/A</u>	REPLACED CASKET	YES	NO
DEEPWELL BLIND NUMBER CHECKED	<u>N/A</u>	REPLACED CASKET	YES	NO

BLOW DECK CARCO PIPELINE BLIND NUMBER N/A REPLACED CASKET YES NO

BLOW DECK CARCO PIPELINE BLIND REMOVED YES ☒ NO

TOP PANS VALVES: CLOSED BY CRVZ

DRIP PANS COVER: CLOSED BY N/A

CONTAINMENT AREA PLUG OR VALVES: CLOSED BY N/A

AIR TEST CARCO LINE - 40psi - USING SOAP

SIGNATURE OF TESTER: Charles Duvette

WITNESS: L. J. Rivera

CHECK VALVE CASKET WILL BE REPLACED

AIR TEST TO LAST THING TO BE DONE BEFORE RELEASING LARCE.

000352



HAZARD COMMUNICATION STANDARD  
OSHA 1910.1200

EMPLOYER HAZARDOUS MATERIALS TRAINING PROGRAM

Date 3-6-97

Plant AGRICULTURE

Area HAS FEE DOCK

ETT# 112

Supervisor [Signature]

Client Safety                     

The following listed materials are considered to be hazardous to the employee working in this area:

H. BUTANOL

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

The employees assigned to work in this area have been informed of the hazardous materials in this area, the hazards they present to the workers, the location of hazards listed, the protective equipment that has been provided and where it is located, and procedures to be followed in case of an accidental exposure. I have received the training listed above and will so designate by signing this form.

NAME

BADGE

NAME

BADGE

[Signature]

Jose A Casas

[Signature]

[Signature]

# BARGE CLEANING REPORT

JOB NO. \_\_\_\_\_  
 BARGE NO. E11-112  
 CO. NAME BASF  
 PRODUCT N-BUTANOL

ETA \_\_\_\_\_  
 DATE/TIME ARRIVAL 3-6-97 9:00  
 DATE/TIME STARTED 3-6-97 9:00  
 DATE/TIME COMPLETE 3-6-97 2:00

AMOUNT STRIPPED 300

CLEANING INSTRUCTION BY: Robert Peters

COMPLETION SCHEDULE BY: \_\_\_\_\_

OVERTIME AUTHORIZED BY: \_\_\_\_\_

BARGE INSPECTED BY: DeArto

DATE/TIME: 1:30 PM

BARGE RELEASED TO: \_\_\_\_\_

DATE/TIME: \_\_\_\_\_

DECKHULL OPENED: YES N/A NO \_\_\_\_\_ CLOSED BY \_\_\_\_\_ NEW CASSET YES \_\_\_\_\_ NO \_\_\_\_\_

BELLOW DECK CARGO PIPELINE: BLIND OPEN YES ✓ NO \_\_\_\_\_ CLOSED BY DeArto CASSET YES \_\_\_\_\_ NO \_\_\_\_\_

DECK CHECK VALVE OPENED: YES N/A NO \_\_\_\_\_ CLOSED BY \_\_\_\_\_ NEW CASSET YES \_\_\_\_\_ NO \_\_\_\_\_

DECK HEADER BLINDS OPEN: Yes INSPECTED BY CALIB BRETT \_\_\_\_\_

DECK HEADER BULK PLUG OPEN: YES ✓ NO \_\_\_\_\_ CLOSED BY CASAS

VALVE RECOVERY HEADER OPENED: YES ✓ NO \_\_\_\_\_ CLOSED BY CASAS NEW CASSET YES \_\_\_\_\_ NO \_\_\_\_\_

RUST SCALE: YES \_\_\_\_\_ NO ✓ WASHED OUT \_\_\_\_\_ RUCKETED OUT \_\_\_\_\_

NUMBER OF CARGO TANKS 3

CONDITION OF CARGO VALVES Good

SLOT TANK STRIPPED: YES N/A NO \_\_\_\_\_

Drip Pans Stripped: YES ✓ NO \_\_\_\_\_

WEATHER: TEMP 65 RAIN \_\_\_\_\_ FOG \_\_\_\_\_ HUMIDITY \_\_\_\_\_ OVERCAST \_\_\_\_\_ CLOUDY ✓ CLEAR ✓

PIPELINE WASHED: no PIPELINE BLOWN Yes INSPECTED BY CALIB BRETT \_\_\_\_\_

BOW BAIT CHECKED: YES ✓ NO \_\_\_\_\_ STERN BAIT: YES ✓ NO \_\_\_\_\_

VOIDS: YES ✓ NO \_\_\_\_\_ SAFETY EQUIPMENT USED: \_\_\_\_\_

SIGNATURE LISTED

## NOTICE

All barges cleaned for BASF will be inspected by Calib Brett. The inspector will have paperwork for the Harbormaster's person in charge to sign. The person will put the copies in the document mail box. One copy will stay in the mailbox, and the captain of the tugboat that is picking up the barge will not be called until inspection is completed and documentation is in the mailbox. If any problems, BASF Logistics representative must be contacted.

Inspected 03/06/97

1400

1450

Inspected By [Signature]

000355

NO BARGE BARGE THAT HAS BEEN CLEANED WILL BE RELEASED UNTIL CALIB BRETT HAS SIGNED THE RELEASE PAPER. CALIB BRETT WILL BE GIVEN A COPY OF THIS REPORT.



# Inchcape Testing Services

Caleb Brett

## VISUAL TANK INSPECTION REPORT

YOUR REFERENCE
OUR REFERENCE

000356

VESSEL <i>ETT-112</i>	PRODUCT / CARGO <i>MTY</i>	PORT / TERMINAL <i>HERCULES</i>	DATE <i>03-06-97</i>
--------------------------	-------------------------------	------------------------------------	-------------------------

Tank Number	<i>1C</i>	<i>2C</i>	<i>3C</i>				
Tank Coating	<i>SOFT STEEL</i>	<i>SOFT STEEL</i>	<i>SOFT STEEL</i>				
Last Cargo	<i>BUTANOL</i>	<i>BUTANOL</i>	<i>BUTANOL</i>				
Second Last Cargo							
Third Last Cargo							
Time/Date Inspected	<i>1410</i> <i>03-6-97</i>						
Visual Cleanliness Accepted/Rejected*	<i>ACCEPTED</i>						
Reason for Rejection							

Method said to have been used to clean tanks:	TK# <i>1C</i>	<i>STRIPPED + BLOWN</i>
	TK# <i>2C</i>	<i>STRIPPED + BLOWN</i>
	TK# <i>3C</i>	<i>STRIPPED + BLOWN</i>
	TK#	
	TK#	<i>* NOTE * ALL TANK CLEANED THE SAME *</i>
	TK#	
	TK#	

Information regarding previous cargoes, tank coating and cleaning method was obtained from vessel personnel and cannot be guaranteed as accurate by Caleb Brett U.S.A., Inc. and no liability can be assumed for errors resulting from improper information supplied. This report, of necessity, is based on such information.

- \* The cleanliness of inspected tank(s) is/are based on visual inspection of tank surfaces and line system at accessible areas only. This document does not cover the cleanliness of tank surfaces and line system at inaccessible spots and/or possible release of components of previous cargoes during loading, discharge or transport of the cargo in question, for which the vessel is fully responsible. Suitability of tank coating for intended cargo must be guaranteed by vessel's owner or by suppliers of the coating.

*Steven for Hercules*

*[Signature]*  
FOR CALEB BRETT



## OUR REFERENCE

ESSEL	PRODUCT/CARGO	PORT/TERMINAL	DATE
ETT-112 & ETT-115	MTU	Hercules	3-06-97

[illegible]

For Vessel Lucia Ximenes

FOR CALEB BRETT U.S.A., INC.

000357



JOB NO. 5494  
BARGE NO. ET12113  
CUSTOMER BASF  
PRODUCT N. BUTANOL

ETA \_\_\_\_\_  
DATE/TIME ARRIVAL 4-23-97 1:00  
DATE/TIME STARTED 4-23-97 1:30  
DATE/TIME COMPLETED 4-23-97 1:10

DISPOSAL AMOUNT \_\_\_\_\_ AMOUNT STRIPPED 200  
CLEANING INSTRUCTION BY: Robert Peters BY: \_\_\_\_\_  
COMPLETION SCHEDULE BY: \_\_\_\_\_  
OVERTIME AUTHORIZED BY: Robert Peters  
BARGE INSPECTED BY: Caleb Brett DATE/TIME: 6:30  
BARGE RELEASED TO: Brow Water 10 DATE/TIME: \_\_\_\_\_  
DEEPWELL OPENED: YES N/A NO \_\_\_\_\_ CLOSED BY \_\_\_\_\_ NEW GASKET YES \_\_\_\_\_ NO \_\_\_\_\_  
BELOW DECK CARCO PIPELINE: BLIND OPEN YES ✓ NO \_\_\_\_\_ CLOSED BY CASAS NEW GASKET YES \_\_\_\_\_ NO \_\_\_\_\_  
DECK CHECK VALVE OPENED: YES N/A NO \_\_\_\_\_ CLOSED BY \_\_\_\_\_ NEW GASKET YES \_\_\_\_\_ NO \_\_\_\_\_  
DECK HEADER BLINDS OPEN: YES ✓ NO \_\_\_\_\_ CLOSED BY CASAS NEW GASKET YES \_\_\_\_\_ NO \_\_\_\_\_  
DECK HEADER DRAIN PLUG OPEN: YES ✓ NO \_\_\_\_\_ CLOSED BY CASAS  
VAPOR RECOVERY HEADER OPENED: YES ✓ NO \_\_\_\_\_ CLOSED BY CYU2 NEW GASKET YES \_\_\_\_\_ NO \_\_\_\_\_  
RUST SCALE: YES ✓ NO \_\_\_\_\_ WASHED OUT \_\_\_\_\_ BUCKETED OUT \_\_\_\_\_  
NUMBER OF CARGO TANKS 3  
NUMBER OF TANK VALVES 600  
TANK STRIPPED: YES N/A NO \_\_\_\_\_ PIPE PRESSURE TEST DATE: \_\_\_\_\_  
DRIP PANS STRIPPED: YES 2 NO \_\_\_\_\_  
WEATHER: TEMP 80 RAIN \_\_\_\_\_ FOG \_\_\_\_\_ HUMIDITY \_\_\_\_\_ OVERCAST \_\_\_\_\_ CLOUDY \_\_\_\_\_ CLEAR \_\_\_\_\_  
PIPELINE WASHED: NO PIPELINE BLOWN YES PIPELINE SUMPS INSPECTED \_\_\_\_\_  
BOW RAKE CHECKED: YES ✓ NO \_\_\_\_\_ STERN RAKE: YES ✓ NO \_\_\_\_\_  
VOIDS: YES ✓ NO \_\_\_\_\_ SAFETY EQUIPMENT USED: \_\_\_\_\_

#### NOTICE

All barges cleaned for BASF will be inspected by Caleb Brett. The inspector will have paperwork for the Hercules foreman in charge to sign. The form will put two copies in the document mail box. One copy will stay in the mailbox, and the captain of the tugboat that is picking up the barge will not be called until inspection is completed and documentation is in the mailbox. If any problems, BASF logistics representative must be contacted.

Inspected April 23 1997

1830  
Time In

1900  
Time Out

Inspected By [Signature]

NO BASF BARGE THAT HAS BEEN CLEANED WILL BE RELEASED UNTIL CALEB BRETT HAS SIGNED THE RELEASE PAPERS. CALEB BRETT WILL BE GIVEN A COPY OF THIS FORM.

000358

## HAZARDOUS COMMUNICATION STANDARD

OSHA 1910.1200

## EMPLOYEE HAZARDOUS MATERIALS TRAINING PROGRAM

Date 4-23-97Supervisor Charles DuartePlant HERCULES MARINEClient Safety                     Area WAS FREE DOCK

The following listed materials are considered to be hazardous to the employee working in this area:

H-BUTANOL

The employees assigned to work in this area have been informed of the hazardous materials in this area, the hazards they present to the workers, the location of hazards listed, the protective equipment that has been provided and where it is located, and procedures to be followed in case of an accidental exposure. I have received the training listed above and will so designate by signing this form.

NAME	BADGE	NAME	BADGE
<u>Joe J. Duarte</u>			
<u>Harold Cruz</u>			
<u>Jose A. Casas</u>			

000359

# HERCULES OFFSHORE CO.

INVOICE NO. \_\_\_\_\_

## MARINE REPAIR

MARINE OPERATIONS FACILITY

CUSTOMER P.O. \_\_\_\_\_

ORDER No. 4-5494

DATE	ORDER WRITTEN	ETA
	4-23-97	11:30 a.m.
	ARRIVAL	
	COMPLETION DATE	
	DEPARTURE DATE	
	M/V <input type="checkbox"/> BARGE <input checked="" type="checkbox"/>	
	NAME	ETT 113
	LOA	WIDTH
	FOREMAN	
	LAST PRODUCT	
	GAS FREEING YES <input type="checkbox"/> NO <input type="checkbox"/>	CERTIFICATE REQUIRED YES <input type="checkbox"/> NO <input type="checkbox"/>
	HAUL OUT FOR INSPECTION AND REPAIR YES <input type="checkbox"/> NO <input type="checkbox"/>	
	ON WAYS	DATE: _____
	ON WAYS	DATE: _____

CUSTOMER	NAME	BASF
	BILLING ADDRESS	
	CITY AND STATE	FREEPORT, TX
	PHONE NUMBER	
	WORK AUTHORIZED BY	OFF AUTHORITY
	SUZETTE	
	STOCK MATERIAL	<input type="checkbox"/> YES <input type="checkbox"/> NO
	IF YES, COMPLETE STOCK MATERIAL TRANS	
	OUTSIDE SERVICES	<input type="checkbox"/> YES <input type="checkbox"/> NO
	IF YES, LIST	

### ITEM NUMBERS

1	STRIP AND BLOW DRY. RELEASE TO BROWN WATER IV.
2	
3	
4	
5	
6	
7	
8	

000360

ITEM NUMBERS

1 STRIP AND BLOW DRY. RELEASE TO BROWN WATER IV.

2

3

4

5

6

7

8

9

10

THIS SHALL SERVE AS YOUR AUTHORIZATION TO PROCEED WITH THE ABOVE.

Signed: *Charles D. [Signature]*

Date: *4-23-87*

000361

## BASF WEEKEND BARGE SCHEDULE

DATE 18-Apr-97 - 11:38 AM

ETT 110: Empty (Clean) at W/F. Hold until further notice.

ETT 112: Loaded (Koch 3) at W/F. Spot at dock after the ETT 114 has completed discharging (CPLX). Barge will need to be gauged and sampled. Barge will discharge 0730 Saturday. Barge will be ballasted while being discharged. Take to W/F after discharge is complete, as soon as tide allows. Brown Water IV will take to Hercules for deballasting Monday 0800.

\* Priority 1 / # Priority 3

ETT 113: Empty (Cyclohexane) enroute to Corpus to load (Koch 4), via Brown Water VI. Hold at W/F upon return to Freeport.

ETT 114: Partially loaded (1,503,532 lbs. of CPLX) at B-1 Wall. Spot at West (Hexane) End of dock at 1730 today. Barge will need to be gauged and sampled. Will complete discharging 1800. Barge will be ballasted while being discharged. Take to W/F after discharge is complete, as soon as tide allows. Brown Water IV will take to Hercules for deballasting, then to Stantran to load (2.8 M lbs. of CPLX). Spot at dock after the ETT 115 has completed discharging. Barge will need to be gauged and sampled. Barge will discharge 0730 Monday.

# Priority 1 / \* Priority 4

ETT 115: Loaded (Citgo 2) enroute to Freeport, via Brown Canal. ETA Freeport 1600 Saturday. Spot at dock after the ETT 112 has completed discharging. Barge will need to be gauged and sampled. Barge will discharge 1200 Sunday. Barge will be ballasted while being discharged. Take to W/F after discharge is complete, as soon as tide allows. Brown Canal will take to Hercules 0800 Monday for deballasting, then to Phillips to load (Phillips 5).

\* Priority 3 / # Priority 5

CCI 75: Discharging (All Oleum) at dock. Take to W/F after discharge is complete. Tug Javalina is standing by.

# Priority 2

SCC 106: Loaded (All Acid) at W/F. Spot at dock after the SCC 104 has completed discharging. Barge will discharge 0730 Monday.

\* Priority 5

SCC 80: Loading (All Oleum) at Rhone-Poulenc.

SCC 108: Empty (All Acid) at W/F. Hold for Tug Javalina.

SCC 104: Loaded (All Oleum) at W/F. Spot at dock after the CCI 75 has completed discharging. Barge will discharge 0730 Sunday. Take to W/F after discharge is complete. Hold for Tug Javalina.

\* Priority 2 / # Priority 4

\* - Priority to dock

# - Priority out to skimmer gate

# - All priority barges taken to dock should go to skimmer gate as soon as possible after work is complete.

For any further information please contact:

Robert G. Peters Office: 238-6161

Suzette Johnson Office: 238-8409  
602 Copper Road, Freeport, Texas 77541 (409) 238-6100

000362

**BASF Corporation**

**BASF**

**BASF BARGE SCHEDULE**

**DATE 21-Apr-97 - 11:26 AM**

**ETT 110:** Empty (Clean) at W/F. Brown Water VI will take to Corpus to load (Citgo 3) on 04/24/97.

**ETT 112:** Empty (Cyclohexane) at Hercules being repaired and deballasted. Brown Canal will take to Corpus to load (Koch 5).

**ETT 113:** Loaded (Koch 4) enroute to Freeport, via Brown Water VI. ETA 2100. Spot at dock upon arrival. Barge will need to be gauged and sampled. Barge will discharge 0730 Tuesday. **\* Priority 1**

**ETT 114:** Partially loaded (1,503,532 lbs. of CPLX) at dock. Move to B-1 Wall and hold until further notice.

**ETT 115:** Empty (Cyclohexane) at Hercules being deballasted. Brown Canal will take to Phillips to load (Phillips 5) at 1300 today. Hold at W/F.

**CCI 75:** Empty (All Oleum) enroute to Rhone-Poulenc.

**SCC 106:** Discharging (All Acid) at dock. Take to W/F after discharge is complete. Hold for Tug Javalina. **# Priority 1**

**SCC 80:** Loaded (All Oleum) at W/F. Spot at dock after the SCC 106 has completed discharging. Barge will discharge 0730 Tuesday. **\* Priority 2**

**SCC 108:** Loaded (All Acid) at W/F. Hold until further notice.

**SCC 104:** Empty (All Oleum) enroute to Rhone-Poulenc.

**\* - Priority to dock**

**# - Priority out to skimmer gate**

**# - All priority barges taken to dock should go to skimmer gate as soon as possible after work is complete.**

For any further information please contact:

Robert G. Peters Office: 238-6161

Suzette Johnson Office: 238-8409

000363

## BASF BARGE SCHEDULE

DATE 23-Apr-97 - 11:31 AM

ETT 110: Empty (Clean) at Rockport. Brown Water VI is having minor maintenance repairs. Will go to Corpus 04/25/97 to load (Citgo 3).

ETT 112: Empty (Cyclohexane) at Rockport for Crew change, via Brown Canal. Will go to Corpus to load (Koch 5) after crew change and return to Freeport.

ETT 113: Empty (Cyclohexane) at W/F. Brown Water IV will take to Hercules for a Strip and Blow Dry, then return to W/F. Hold at W/F until further notice.

ETT 114: Loaded (2.8 M lbs. of CPLX) at B-1 Wall. Hold until further notice.

ETT 115: Discharging (Phillips 5) at dock. Take to W/F after discharge is complete on Low tide 2200 tonight.

# Priority 1

CCI 75: Loaded (All Oleum) at Rhone-Poulenc.

SCC 106: Empty (All Acid) at W/F. Hold for Tug Javalina.

SCC 80: Empty (All Oleum) at W/F. Hold for Tug Javalina.

SCC 108: Loaded (All Acid) at W/F. Spot at dock today. Barge will discharge 0730 Thursday.

\* Priority 1

SCC 104: Loaded (All Oleum) at Rhone-Poulenc.

\* - Priority to dock

# - Priority out to skimmer gate

# - All priority barges taken to dock should go to skimmer gate as soon as possible after work is complete.

For any further information please contact:

Robert G. Peters Office: 238-6161

Suzette Johnson Office: 238-8409

000364

**BASF WEEKEND BARGE SCHEDULE****DATE 25-Apr-97 - 04:21 PM**

**ETT 110:** Loaded (Citgo 3) enroute to Freeport, via Brown Water VI. Spot at dock after the ETT 113 has completed loading (Anolon). Barge will need to be gauged and sampled. Barge will discharge 0730 Sunday. Take to W/F on Low tide 0100 Monday. Brown Water VI will take to Corpus to load (Citgo 4) on 04/29/97.

**\* Priority 3 / # Priority 5**

**ETT 112:** Loaded (Koch 5) enroute. Spot at dock upon arrival. Crew will be standing by to discharge. Take to W/F after discharge is complete. Brown Water VI will take to Corpus to load (Koch 6) on 04/28/97 **# Priority 1**

**ETT 113:** Empty at W/F. Spot on B-1 Wall as soon as low tide will permit. Spot at dock after the ETT 112 has completed discharge. Barge will need to be gauged and sampled. Will load (2.2 M lbs. of Anolon) 0730 Saturday. Take to W/F as soon as discharge is complete and the tide permits. Brown Water IV will take to Stantran for discharge at 0800 Sunday. Hold at W/F upon return to Freeport. **\* Priority 1 / # Priority 3**

**ETT 114:** Loaded (2.8 M lbs. of CPLX) at B-1 Wall. Hold until further notice.

**ETT 115:** Empty at W/F. Brown Canal to load at Phillips (Phillips 6). Spot at dock after the ETT 110 has completed discharge Sunday. Barge will need to be gauged and sampled. Will discharge 0730 Monday.

**\* Priority 4**

**CCI 75:** Discharging (All Oleum) at dock. Take to W/F after discharge is complete. Hold for Tug Javalina.

**# Priority 2**

**SCC 106:** Loading (All Acid) at Rhone-Poulenc. Upon return to Freeport. spot at dock after the SCC 104 has completed discharging. Barge will discharge 0730 Monday.

**\* Priority 5**

**SCC 80:** Loading (All Oleum) at Rhone-Poulenc. Hold at W/F upon return to Freeport.

**SCC 108:** Empty (All Acid) at W/F. Hold for Tug Javalina.

**SCC 104:** Loaded (All Oleum) at W/F. Spot at dock after CCI 75 has completed discharging. Barge will discharge 0730 Saturday. Take to W/F after discharge is complete. Hold for Tug Javalina.

**\* Priority 2 / # Priority 4**

**\* - Priority to dock**

**# - Priority out to skimmer gate**

**# - All priority barges taken to dock should go to skimmer gate as soon as possible after work is complete.**

For any further information please contact:

Robert G. Peters Office: 238-6161

Suzette Johnson Office: 238-8409

**000365**



## BASF BARGE SCHEDULE

DATE 28-Apr-97 - 11:36 AM

ETT 110: Empty (Cyclohexane) enroute to Corpus to load (Koch 6), via Brown Canal. ETA Corpus 0600 Tuesday. Barge dock will not be available until 1600 Tuesday. Barge will load at this time and return to Freeport.

ETT 112: Empty (Cyclohexane) at Hercules being repaired.

ETT 113: Empty (Anolon) enroute to Freeport, via Brown Water IV. Barge will go to Hercules for Hot Chemical Wash.

ETT 114: Loaded (2.8 M lbs. of CPLX) at B-1 Wall. Spot at dock after the ETT 115 has completed discharging. Barge will need to be gauged and sampled. Will partially discharge 0730 Tuesday. \* Priority 1

ETT 115: Discharging (Phillips 6) at dock. Take to W/F after discharge is complete on Low tide 0200 Tuesday. Brown Water VI will take to Phillips to load (Phillips 4). # Priority 1

CCI 75: Empty (All Oleum) at W/F. Hold for Tug Javalina.

SCC 106: Discharging (All Acid) at dock. Take to W/F after discharge is complete. Hold for Tug Javalina. # Priority 2

SCC 80: Loaded (All Oleum) at W/F. Spot at dock after the SCC 106 has completed discharging. Barge will discharge 0730 Tuesday. \* Priority 2

SCC 108: Empty (All Acid) at W/F. Hold for Tug Javalina.

SCC 104: Empty (All Oleum) at W/F. Hold for Tug Javalina.

\* - Priority to dock

# - Priority out to skimmer gate

# - All priority barges taken to dock should go to skimmer gate as soon as possible after work is complete.

For any further information please contact:

Robert G. Peters Office: 238-6161

Suzette Johnson Office: 238-8409

000366

**BASF Corporation**

**BASF**

**BASF BARGE SCHEDULE**

**DATE 06-Mar-97 - 09:49 AM**

**ETT 110:** Empty (CPLX) at Hercules for USCG Mid-Term and internal structural exam.

**ETT 112:** Empty at Hercules being stripped and blown dry in preparation for loading Anolon.

**ETT 113:** Empty (Cyclohexane) enroute to Corpus to load (Koch 2), via Brown Water VII.

**ETT 114:** Empty (Cyclohexane) at Hercules for minor repairs.

**ETT 115:** At Hercules for USCG COI.

**CCI 75:** Empty (All Oleum) enroute to Rhone-Poulenc.

**SCC 106:** Loaded (All Acid) at W/F. Hold at W/F until further notice.

**SCC 80:** Empty (All Oleum) at Rhone-Poulenc.

**SCC 108:** Empty (All Acid) at Rhone-Poulenc.

**SCC 104:** Loaded (All Oleum) at W/F. Hold at W/F until further notice.

**\* - Priority to dock**

**# - Priority out to skimmer gate**

**# - All priority barges taken to dock should go to skimmer gate as soon as possible after work is complete.**

For any further information please contact:

Robert G. Peters Office: 238-6161

Suzette Johnson Office: 238-8409

**000367**

JUAN Survey Requested by  
ETT-114 Vessel  
CYCLOHEXANE Last Three (3) Cargoes  
HERCULES Vessel Owner or Agent  
TANK BARGE Type of Vessel  
LEL - PID - VISUAL Tests Performed  
7 MAR 97 Date  
HERCULES Specific Location of Vessel  
07:30 Time Survey Completed

CARGO TANKS No 1 2 3

WING TANKS No 1 2 3 4 - PORT

STARBOARD

BOW RAKE

STERN BOX

SAFE FOR WORKERS

SAFE FOR HOTWORK

ATMOSPHERIC TEST 20.8% O<sub>2</sub>

0% LEL

PID - 0 PPM VOC

Check 7/9/97

3-5430

In the event of any physical or atmospheric changes adversely affecting the STANDARD SAFETY DESIGNATIONS assigned to any of the above spaces, or if in any doubt, immediately stop all work and contact the undersigned Marine Chemist.

**QUALIFICATIONS:** Movement of vessels from original location, transfer of ballast, or manipulation of valves or closure equipment tending to alter conditions in pipe lines, tanks or compartments subject to gas accumulation, unless specifically approved in this Certificate, requires inspection and endorsement or reissue of Certificate for the spaces so affected. All lines, vents, heating coils, valves, and similarly enclosed appurtenances shall be considered "not safe" unless otherwise specifically designated.

**STANDARD SAFETY DESIGNATIONS** (partial list, paraphrased from NFPA 306 Subsections 2-3.1 through 2-3.5, and Subsection 6-3.2)

**SAFE FOR WORKERS:** Means that in the compartment or space so designated: (a) the oxygen content of the atmosphere is at least 19.5 percent by volume; and that, (b) toxic materials in the atmosphere are within permissible concentrations; and that, (c) the residues are not capable of producing toxic materials under existing atmospheric conditions while maintained as directed on the Marine Chemist's Certificate

**NOT SAFE FOR WORKERS:** Means that in the compartment or space so designated, the requirements of Safe for Workers have not been met.

**ENTRY WITH RESTRICTIONS:** Means that in any compartment or space so designated, entry for work may be made only if conditions of proper protective equipment, clothing, and time are as specified.

**SAFE FOR HOT WORK:** Means that in the compartment so designated: (a) oxygen content of the atmosphere is at least 19.5 percent by volume, with the exception of inerted spaces or where external hot work is to be performed; and that, (b) the concentration of flammable materials in the atmosphere is below 10 percent of the lower flammable limit; and that, (c) the residues are not capable of producing a higher concentration than permitted by (b) above under existing atmospheric conditions in the presence of fire, and while maintained as directed on the Marine Chemist's Certificate; and further, that, (d) all adjacent spaces containing or having contained flammable or combustible materials have been cleaned sufficiently to prevent the spread of fire, or are satisfactorily inerted, or, in the case of fuel tanks or lube oil tanks, or engine room or fire room bilges, have been treated in accordance with the Marine Chemist's requirements

**NOT SAFE FOR HOT WORK:** Means that in the compartment so designated, the requirements of Safe for Hot Work have not been met.

**SAFE FOR REPAIR YARD ENTRY:** Means that the compartments and spaces of the flammable cryogenic liquid carrier so designated: (a) have been tested by sampling at remote sampling stations, and results indicate the atmosphere tested to be above 19.5 percent oxygen, and less than 10 percent of the lower flammable limit; or (b) are inerted

**CHEMIST'S ENDORSEMENT:** This is to certify that I have personally determined that all spaces in the foregoing list are in accordance with NFPA 306 Control of Gas Hazards on Vessels and have found the condition of each to be in accordance with its assigned designation.

The undersigned acknowledges receipt of this Certificate under Section 2-6 of NFPA 306 and understands conditions and limitations under which it was issued.

This Certificate is based on conditions existing at the time the inspection herein set forth was completed and is issued subject to compliance with all qualifications and instructions.

Signed \_\_\_\_\_

Name

Company

Date

Signed \_\_\_\_\_

Marine Chemist

Certificate No. 626

NOTE: THIS CERTIFICATE IS VALID ONLY ON MARINE VESSELS

000368

BASF Corporation

**BASF**

**BASF BARGE SCHEDULE FOR HERCULES**

**March 06, 1997**

ETT 114 - Contact McGill, they were suppose to build a mount replacement for the pump to sit on. Weld to new mount so that the pump will sit even. Check entire barge for any other repairs (large or small) that may be needed. Mailbox, motor cover, give the barge a thorough going over.

3-5430

ETT 112 - Strip and blow dry in preparation for loading Anolon.

3-5431



SCHEDULED PICKUP DATE 3/7/97 SCHEDULED PICKUP TIME 8:30 AM DISPATCH NUMBER 7740  
SCHEDULED DEL. CRY DATE 3/7/97 SCHEDULED DELIVERY TIME ASAP 7993

SHIPPER: RASF- BIK-1100 PICKUP POINT Freeport, Texas SHIPPER NUMBER 2199913  
INSIGNEE: Hercules DELIVERY POINT Freeport, Texas CONSIGNEE NUMBER

PICKUP TIMES	WEIGHTS	CMP.	QUANTITY	HAZ. MAT. (✓)	COMMODITY DESCRIPTION
ACTUAL PICKUP DATE <u>3/7/97</u>	GROSS WEIGHT <u>74560</u>	1			<u>RD CycloHexAnone mixture</u>
ACTUAL PICKUP TIME <u>8:05</u>	AM TARE WEIGHT <u>30240</u>	2			<u>3 4x1915 PG II</u>
PART LOADING <u>10:30</u>	AM NET WEIGHT <u>44320</u>	3			
FINISH LOADING <u>12:15</u>	AM TRAILER # <u>SK-722</u>	4			
TOTAL TIME LOADING <u>114 hrs</u>		5			

TRACTOR # S-846  
RIVER # SK-1131  
DELIVERY TIMES  
ACTUAL DATE DELIVERY 3/7/97  
ACTUAL TIME DELIVERY 12:30 AM  
START UNLOADING 2:00 PM  
FINISH UNLOADING 2:00 PM  
TOTAL TIME UNLOADING  
TRACTOR # S-846  
DRIVER # SK-1131  
IS THERE DEMURRAGE ON THE LOAD? (CIRCLE) YES NO  
IF YES, SEE DEMURRAGE FORM

**IN CASE OF:  
LEAK, SPILL,  
FIRE, OR OTHER  
EMERGENCY**  
  
**CALL TOLL FREE  
CHEMTREC  
1-800-424-9300**  
  
**MONTGOMERY  
TANK LINES**  
  
**24 Hour  
EMERGENCY  
RESPONSE  
Phone Number  
1-800-759-8265  
PLANT CITY, FL**

**UNLOADING AUTHORIZATION**  
The shipper of the product and Montgomery Tank Lines have developed the following procedure to insure that the product you ordered is received into the proper container. We ask that you review the paperwork prepared by the shipper and review the label the shipper has attached to the tank valve. Please instruct the driver to hook the hose to the proper outlet valve on the tank and the proper inlet valve leading to your tank and sign the statement below showing that the procedure was followed. We ask you to do this for each compartment to be unloaded. The driver is instructed not to unload unless this procedure is followed. We thank you for your cooperation in insuring a safe delivery.  
I have checked the documents pertaining to this shipment and do certify that the hose is connected to the proper valve on the tank trailer and the proper fitting on storage facility; that the valve and piping is open to receive product at a rate of 150 gallons per minute and storage facility has enough room to hold the amount designated on the bill of lading.  
(if tank is single compartment please sign Compartment #1).

Compartment #1 [Signature] CONSIGNEE SIGNATURE  
Compartment #2 \_\_\_\_\_ CONSIGNEE SIGNATURE  
Compartment #3 \_\_\_\_\_ CONSIGNEE SIGNATURE  
Compartment #4 \_\_\_\_\_ CONSIGNEE SIGNATURE  
Compartment #5 \_\_\_\_\_ CONSIGNEE SIGNATURE

**Consignee & MTL DRIVER:**  
Consignee - You are responsible for unloading all contents consigned to you by shipper. Please sign below that you have inspected the tank and all product has been removed and received in good order except as noted:  
[Signature] CONSIGNEE SIGNATURE  
Driver - I have inspected the tank and the tank is empty. (Please call your dispatcher on any amount over 5 gals. left in tank).  
\_\_\_\_\_  
DRIVER SIGNATURE

**ON - TIME PERFORMANCE MEASUREMENT (✓ ONE)**

Late Pickup: \_\_\_\_\_ Shipper Error \_\_\_\_\_ Dispatch Error \_\_\_\_\_ Equipment Error \_\_\_\_\_ Driver Error  
Explanation: \_\_\_\_\_  
Late Delivery: \_\_\_\_\_ Shipper Error \_\_\_\_\_ Dispatch Error \_\_\_\_\_ Equipment Error \_\_\_\_\_ Driver Error  
Explanation: \_\_\_\_\_

**IRREGULAR OPERATION (✓) IF APPLICABLE**

Cancelled Shipment ☐ Rejected Shipment ☐ Reconsigned Shipment ☐ Trailer Spotted ☐  
Other ☐ Stop-Off ☐ (Attach Bill of Lading)

EXPLANATION: \_\_\_\_\_ Date: / / Tractor # \_\_\_\_\_ Trailer # \_\_\_\_\_

**TANK WASH BILLING SECTION-USE DISPATCH # AS PURCHASE ORDER ON ALL BILLING**

Tank Wash Facility: \_\_\_\_\_  
Date Dropped: \_\_\_\_\_ Driver's Home Terminal: \_\_\_\_\_  
Trailer Number: \_\_\_\_\_ Billing Address: \_\_\_\_\_  
Special Instructions: \_\_\_\_\_

**OTHER SERVICES TO BE BILLED (✓) IF USED**

Service	Origin	Destination
Pump <u>unload</u>		
Weight Off Prem.		
Scale Ticket \$		
Intransit Heat		
Hose <u>60-3 ft.</u>		
Drumming lbs.		
Air Compressor		
#Compartments		
Extra PU/DL		

Yes ☐ No ☐

Two or more loads hauled for same customer on the same day in commercial zone.